



The Official Journal of the Foundation For Amateur Radio, Inc.

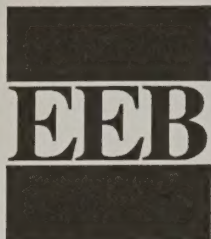
JUNE 1995



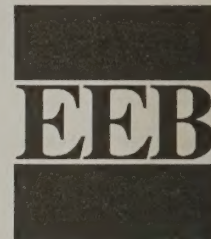
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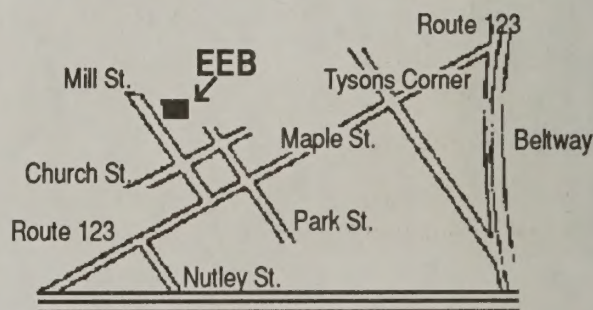
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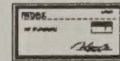
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Regional Hamfests and Other Events

June 3	Rome Radio Club Hamfest, Rome, NY
June 4	Tamaqua Area SB ARA & Anthracite Repeater Association, Tamaqua, PA
June 4	Manassas Hamfest and Computer Show, Manassas, VA (703) 369-2877
June 11	Central PA Hamfest, Winfield, PA
June 17	Lancaster County Hamfest, Lancaster, PA, (717) 560-2321
June 17	Skyline Amateur Radio Club Cortland Hamfest, Cortland, NY (607) 756-6550
June 18	Frederick ARC Father's Day Hamfest, Walkersville, MD (301) 695-2633
June 24 & 25	FIELD DAY - participate with your local amateur radio club!!
July 2	Wilkes-Barre Murgas ARC Hamfest, Lehman, PA (717) 824-5724
July 4	HRAC Hamfest/Computer Show, Harrisburg, PA (717) 232-6087
July 9	BRATS Maryland Hamfest & Computer Fest, Timonium, MD (410) 467-4634
July 22	Jonestown Mt. Repeater Hamfest, Huntington Mills, PA
July 22	Utica ARC Hamfest, Utica, NY
July 23	Mid-Atlantic DX & Repeater Assn Hamfest, Brunswick, MD (301) 416-8447
July 29	Columbia-Montour ARC Hamfest, Berwick, PA
August 5	Jefferson County ARC Hamfest, Clayton, NY
August 6	Mid-Atlantic Amateur Radio Club Hamfest 95, Warrington, PA (215) 624-4034
August 6	Shenandoah Valley ARC Winchester Hamfest, Berryville, VA (703) 955-1745
August 12	Fingerlakes Hamfest, Ithica, NY
August 13	SARA Carroll County Computer & Hamfest, Westminster, MD (410) 859-1475
August 13	Del Lehigh ARC Hamfest, Easton, PA
Sept. 9	Radio Association of Erie Hamfest, Erie, PA
Sept. 10	Butler County ARA Hamfest, Butler, PA
Sept. 10	F.A.R. FEST, Gaithersburg, MD (details in an upcoming issue of <i>AutoCall</i>)
Sept. 16	Buffalo Hamfest, Hamburg, NY
Sept. 16	ARRL Westion NY Section Convention, Hamburg, NY



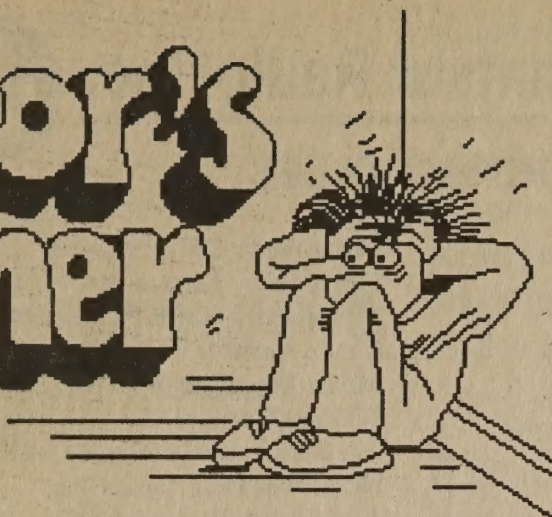
(photo by Barbara White - N3OBU)

On The Cover

Pictured on this month's cover of *Auto Call*, is Dan Weisenburger / KW4T of the Anne Arundel Radio Club working one of the field day radios during Field Day 94. Dan has been an active ham for many years and loves special events, contesting, and of course, Field Day. Field Day is an excellent opportunity for you to hone your operational skills and share in the enjoyment of contesting. Be sure to participate with your club on June 24 & 25!!!

Editor's Corner

By John Queen
KAØSEY



It certainly was a strange evening. Last **NIGHT**, my **WIFE** and I took our **NIECE** out to dinner. **WHILE** we **WAITED** for the **WAITER** to arrive with the **WINE** menu, our dinner conversation turned to the new FCC vanity call sign system.

I have been considering applying for a vanity call, but I just don't **KNOW WHICH** call to seek!!! Why, **WITH** so many options to choose from, where does the vanity call sign seeker begin? I remarked to my **WIFE** that there's not a **WHOLE** lot of a **WORDS** you can make out of letters that start with K, N, or W, **WHILE** adhering to the FCC's assignment format.

"That's nonsense", she uttered. "There's all **KINDS** of calls **WHICH** you can create **WITH** those letters". I had to disagree. "After all", I said, "the good calls are probably already assigned to **KINGS** or **NØBLE** people or maybe a **KNIGHT**."

"That's simply not true", she exclaimed. "In the **WØRST** case scenario, you can always keep your current call sign if all of the calls you **WISH** for are already taken." "Well, that's exactly my point honey", I said to this wonderful **WØMAN**. "I'll never be able to **NAIL** down a good call when everyone else has thought of them first. So why bother? That's why I haven't applied yet."

"**WAIT**, Uncle John" my **NIECE** interrupted. "I've got the perfect call for you. This may sound **WEIRD** or **KØØKY**, but how about the call

'**WITTY**'? It's got a **NICE** ring to it, it describes your personality, and I'll bet that it'll **KNØCK** everyone's socks off!"

"That's a **KIND** and **NØVEL** thought **NIECE**", I said with a **WINK**. "But that's really the **WRØNG** call for me. I think I would prefer a call that's a **NØUN** instead of a verb. I need to find a call that's utterly **WILD**. Something that's really unique throughout the **WØRLD** that no one else **WØULD** think of."

As the **WAITER** poured the **WINE**, I asked for a new **KNIFE** as I handed him one with a big **NICK** on the side. "No problem sir", he replied as he headed off in a **WHØOSH**, soon returning with our order of chicken **WINGS**. "Don't **WØRRY**", my **NIECE** said. "I'm sure you'll find a call **WØRTH** your **WHILE**".

"I know I need to make a **WISE** choice in this matter" I said. "Anything short of that simply **WØNT** do. I also know that I'll **KICK** myself if all my choices are already taken", I exclaimed with a **WINCE**. "John, if you **WAIT** any longer, everyone else will get their application **NB4UDO**", my **WIFE** said matter-of-factly. "So If you're going to apply for a new call, you really should do it now!!"

"Oh, I probably **WILL** apply eventually honey, but it certainly ties my stomach up in **KNØTS** just thinking about it", I said.

Continued on page 20

The Foundation For Amateur Radio, Inc.



Washington, DC

MEMBER CLUBS

Adams County Amateur Radio Society
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Amateur Radio Research and Develop. Corp.
AMSAT - Radio Amateur Satellite Corporation
Anne Arundel Radio Club
Antietam Radio Association, Inc.
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Metropolitan Communications Network
Metrovision Amateur TV Club

Mid-Atlantic DX & Repeater Assn.
Montgomery Amateur Radio Club
Montgomery Auxiliary Communications Service
Moose Amateur Radio Club
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Vienna Wireless Society
Voice of America Amateur Radio Club
Waldorf Repeater Support Club
Washington Adventist Amateur Radio Assn.
Washington Area Young Ladies ARC
Woodbridge Wireless, Inc.

NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. **Visitors are always welcome!** The next meeting will be held on June 14 in Takoma Park, Maryland at Columbia Union College, HMS Richards Bldg., Flower Ave. Take beltway exit 30, South on Colesville Road to Franklin Avenue, left on Franklin to Flower, right on Flower to Carroll Ave., left on Carroll to Greenwood Ave., left on Greenwood to 2nd building on the left.

Talk-in on
146.55



FCC Highlights

By Jack Kelleher.
W4ZC

WORLD RADIO FCC AUCTIONS

There is some misunderstanding of this subject, especially as to the possible impact of auctions on amateur frequencies, and so we decided to reproduce the following from the W5YI Report for April 1, 1995. By way of introduction, these auctions involve only frequencies allocated to the land mobile services; which are not generally shared with the Amateur Service. Therefore, there should be little or no impact on amateurs. Indeed, the contents of a recent NTIA report indicate that the prospects for retention and even expansion of frequency bands for the Amateur Service look good — see a later article in this month's column "NTIA on Amateur Service Spectrum Needs".

The W5YI item reads: "The first auction for broadband personal communications services (PCS) has officially ended, opening a new chapter of competition in the history of the wireless telephone industry.

"The broadband PCS auction began on December 5, 1994. At stake were 99 major market licenses to provide PCS — the new low-cost wireless telephone service across the United States and its territories. The auction generated \$7.7 billion in high bids — about half of what had been anticipated. Still, that makes it the largest auction of government assets in history.

"The auction's big winner was WirelessCo - a joint effort of Sprint (40%) and three cable-TV companies (20% each). They spent more than \$2 billion to capture licenses in 29 markets, which

include more than half of the population of the U.S. AT&T was second, bidding \$1.7 billion for 21 markets. It will be about two years before PCS is widely available. FCC rules require PCS winners to serve at least one-third of their potential customers within five years and to complete construction within ten years. Merrill Lynch predicts that PCS will grow into a \$22 billion business by 2004.

"Since 1993, when Congress authorized the FCC to conduct spectrum auctions, the Commission has held four auctions; two for narrowband PCS licenses, one for Interactive Video and Data Service, and the just-completed broadband PCS auction. The four auctions, in total, have raised nearly \$9 billion for the U.S. Treasury - or \$98 for every U.S. household.

The next round of spectrum PCS auctions was due to get underway next month. But it does not look like it will happen. A federal appeals court has put a block of 493 smaller market PCS licenses "on hold".

"One of the features of that auction was that it would have given special preference (a 25% discount) to minorities and women. A small (Jackson, Miss.) rural telephone company argued that such FCC preferences are unfair. They want the same advantages (being) accorded minorities and women. A September trial has been scheduled for the constitutional challenge. The delay, which could last a year, will give the larger market PCS winners a bigger head start".

NTIA ON AMATEUR SERVICE SPECTRUM NEEDS

This item, from the May 1st issue of W5YI Report, is included in FCC highlights because NTIA is often referred to as "the Government's FCC", and because NTIA actions often presage actions by FCC. In our August 1992 column we mentioned that a broad-based inquiry had been undertaken by the NTIA into future requirements for use of the radio frequency spectrum in the U.S., and technology trends that would affect use of the

Continued next page

spectrum. In September 1992 we noted that the NTIA inquiry directly addresses the Amateur Service, and that they sought comments on:

= What factors could either increase or reduce the spectrum requirements of the service;

= Is the current spectrum used by amateurs adequate?

= What new technologies may increase the ability of the amateur service to share with other radio services in certain frequency bands?

NTIA has now issued projections for U.S. spectrum requirements, which include projected amateur requirements based largely on inputs from ARRL and AMSAT. The agency said: "Amateurs have historically been on the leading edge of radio technology. As new solid state devices become available, amateurs will use them in radio systems to push the upper limits of practical spectrum usage. It is expected that the current analog systems employing single sideband, FM voice, and television modulation will be overtaken by digital techniques.

The number of amateur radio operators is increasing at a current annual rate of 7.5% in the United States, and about 7% worldwide. Growth in the amateur service will require increased use of higher frequencies, and necessitate the use of radio repeaters to overcome the limitations imposed by the propagation characteristics of the higher frequency bands.

"Some of the frequency bands shared by amateur operations are becoming heavily used. For example, the 902-928 MHz band will become more (heavily) used with the increased use of LMS (Location and Monitoring Service) systems and possibly by Federal and non-Federal wind profiler radars. Radio location bands, which have been shared with amateurs for years, will become more valuable to military users as new radar systems are deployed, and pressure for the bands to be used for non government purposes increases.

"The amateur satellite service will soon have a new generation of amateur satellites in orbit, us-

ing all frequency bands allocated to the amateur satellite service from 29 MHz through 24 GHz. The Phase 3D OSCAR (Orbiting Satellite Carrying Amateur Radio) satellite is scheduled to be launched in late 1995.

"This satellite is designed to be an improvement over current OSCAR satellites in terms of link performance and capabilities. The OSCAR 3D satellite will facilitate the use of gateway earth stations, so that an amateur operator with a handheld radio will be able to reliably communicate with other amateurs over a distance of several thousand kilometers.

"In general, we believe that current amateur and amateur satellite allocations should be retained. Amateur requests for international reallocations would be appropriate issues for FCC private sector advisory committees addressing U.S. preparations for future World Radiocommunication Conferences (WRCs). Additional allocations at 160-190 kHz and near 5 MHz will require technical studies to determine the availability of these bands to support amateur use.

"The expansion and upgrading of amateur allocations in the 10, 14, 18 and 24 MHz bands are acceptable but will depend on future decrease of requirements for the aeronautical mobile or the fixed services internationally. The alignment of the amateur 3.5 and 7 MHz bands worldwide will require the inclusion of these issues in U. S. preparations for future WARC's. The request for additional narrow spectrum allocations between 30 and 50 MHz for propagation experimentation (e.g., five 50 kHz slots) will need to be studied for technical compatibility.

"Spectrum requirements for the amateur service total 2,180 kHz. However, any sharing of military radiolocation spectrum (e.g., 430-440 MHz) with the amateur service on a co-primary basis in current Federal radiolocation bands is not feasible because of the potential loss of operational flexibility for military radar systems. Further, the expansion of use in the 902-928 MHz band by

Continued next page

Federal and non federal users, including the operation of wind profiling radars, may make this band untenable for amateur operations in the future". The NTIA report contains a detailed list of amateur and amateur satellite future spectrum allocations requested by ARRL & AMSAT. Space prohibits including the list here.

FCC APPROVES AUTOMATIC CONTROL OF HF PACKET

Two years ago ARRL petitioned the FCC to establish permanent rules governing automatic control of MF and HF data operation in the Amateur Radio Service. On April 17, 1995 FCC amended its rules to comply with this request. This brings to a conclusion an action which was initiated back in 1986.

Automatic control of data communications at VHF was authorized in 1986 (RM-85-105). Numerous commentaries in that proceeding suggested that automatic control also be permitted at MF and

HF, either on a regular basis or, at least initially, by Special Temporary Authority (STA).

The FCC chose the STA approach to determining the feasibility of automatic operation below 30 MHz, authorized the STA for experiments to determine the feasibility of HF automatic operations, and extended the STA several times, with a final expiration date of Feb. 3, 1993.

On February 1, 1993 ARRL requested that the FCC grant a final extension of the STA, requested that the Commission issue a Notice of Proposed Rule Making at an early date, and suggested the scope of the proposed Rules. Subsequently the ARRL proposal was published for comment. The League position was not unanimously accepted at first, but differences were ironed out, and on June 23, 1994 FCC issued a Notice of Proposed Rulemaking (Docket 94-59). The amendments proposed in that action and those adopted on April 17 appear to be identical.

Continued on page 18

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American Radio Relay League Report

By John Swafford,
W4HU

GOVERNMENT STUDY SEES MORE HAM BANDS

A US government study concludes that amateurs could use 2180 additional kilohertz of spectrum in the future. The National Telecommunications and Information Administration (NTIA) reports this need in a just-released 10-year projection of spectrum requirements for all licensed radio services.

The 2180 kilohertz cited in the report are:

Between 30 and 50 MHz, 5 slots of 50 kHz each (250 kHz total);
160 to 190 kHz (30 kHz);
Near 5 MHz (50 kHz);
Expansion of 10 MHz band (200 kHz);
Expansion of 14 MHz band (50 kHz);
Expansion of 18 MHz band (150 kHz);
Expansion of 24 MHz band (150 kHz);
219 to 220 MHz (1000 kHz, already in process);
Satellite downlink, 29.7 to 30.0 MHz (300 kHz).

US COAST GUARD QUILTS CW

After 94 years of Morse operation, the US Coast Guard has signed off. The occasion was marked in fine style at the USCG Communication Area Master Station Atlantic (CAMSLANT), NMN, in Chesapeake, Virginia, on March 31, 1995.

The four keynote speakers included: Capt. Craig M. Nicholson, LCDR Robert F. Salmon,

Dr. Joseph Gardner and CDR Freddy L. Montoya. Precisely at 7:00 PM EST, CDR Montoya called for Senior Chief Petty Mike Dyer and gave him the order to begin the broadcast message that was NMN's—and the Coast Guard's—final formal broadcast. Senior Chief Dyer saluted his commanding officer and then relayed the order to TC3 Sergio Morales, KP4FFW, who transmitted the message using an electronic keyer at a speed of about 35 wpm.

After the message was finished, at 0013Z on April 1, 1995, Sergio sent a final SK in expanded form—as if it were EEETET, CDR Montoya then ordered Master Chief Dyer to retire the code keys from the three operating positions in the tent.

In addition to QST Managing Editor Brogdon, Gardner, and Nicholson, other amateurs known to have been present at the ceremony included Society of Wireless Pioneers President and QCWA Vice President Jack Kelleher, W4ZC; and Alan Dorhoffer, K2EEK, editor of CQ magazine.

CQ WILL INDUCT FIVE TO ITS HALLS OF FAME

CQ Magazine has announced its 1995 inductees into its Contest and DX Halls of Fame. The sole new member of the CQ DX Hall of Fame is Carl Henson, WB4ZNH. New members of the CQ Contest Hall of Fame will include Ken Wolff, K1EA; Dick Norton, N6AA; Jim Neiger, N6TJ; and Tine Brajnik, S52AA. The induction ceremonies are conducted each year at the Dayton Hamvention.

MANUFACTURERS' GROUP HAS "PART 15" CONCERNS

A group representing the manufacturers of unlicensed, low power ("Part 15") devices has supported the ARRL in comments to the Federal Communications Commission.

The Alarm Industry Communications Committee (AICC), whose members primarily make and market security and alarm devices, said

it is sympathetic to the ARRL's concerns that proposed automatic vehicle monitoring (AVM, now referred to by the FCC as Location and Monitoring Service, or LMS) devices could interfere with other services, amateur as well as Part 15. The League initiated the matter in a petition for partial reconsideration filed earlier.

Part 15 devices by definition may operate anywhere in the radio spectrum. The AICC said that although proposed interference standards might be adequate, that proposed LMS operators should be required to have their applications placed on FCC public notice, or to provide copies of their applications to an industry group, so that Part 15 users would be aware of them.

In a petition in January 1994 the ARRL requested primary allocations for amateurs from 902 to 904 and from 912 to 918 MHz, with certain geographic limitations. The FCC accepted this petition as comments in its LMS proceeding but denied it, saying that insufficient "quantitative support" for the petition had been shown.

SAREX FREQS TO CHANGE FOR JOINT MIR MISSION

Space shuttle flight STS-71, to be launched in June, is the first to feature a docking between the shuttle and the Russian MIR space station. Special Shuttle Amateur Radio EXperiment (SAREX) voice frequencies will be used.

The special frequencies are: Downlink: 145.85 MHz worldwide; and Uplinks: 144.45 and 144.47 MHz worldwide.

SAREX and MIR Amateur Radio stations normally share the same downlink frequency, which would cause interference on the STS-71 mission. Because of this and lessons learned from using particular frequencies during previous SAREX missions, the SAREX Working Group has made these changes for STS-71.

The new frequencies were chosen after much deliberation to minimize interference between

SAREX, MIR, and terrestrial stations, the working group said.

MIR operations are simplex and remain on 145.55 MHz.

Before transmitting, listen to the SAREX uplink to avoid interfering with others, and listen for the astronauts' instructions about frequencies they're using. They won't favor a specific uplink, and your ability to work them will be "the luck of the draw."

If these special SAREX frequencies prove acceptable, they will be used for future docking missions. If you have comments, send them to AMSAT's Frank Bauer, KA3HDO, at his Callbook address, or to the ARRL Educational Activities Dept.

Please note that there is a strong change that STS-70 will fly before STS-71; if so, STS-70 will use the regular SAREX frequencies.

FCC WON'T RECONSIDER RESTRUCTURING IDEA

The FCC has denied a petition for reconsideration to change the structure of Amateur Radio licensing in the US.

Rolf Jespersen, N3LA, had petitioned the FCC to establish three classes of amateur operator license, a petition the Commission denied in April 1994 (RM-8391).

Jespersen then petitioned for reconsideration, saying that supporters of his position did not know when to file supporting comments and that telegraphy "ability," not necessarily telegraphy "proficiency," should be the criterion for the class of operator license obtained. He also said that his suggested new rules would promote growth in the amateur community and reduce delays in obtaining new and upgraded licenses.

Continued next page

The FCC said that Jespersen's original petition was denied because there was insufficient evidence to justify revisiting the issues he raised, and that no comments had been filed on his petition, despite its being put on Public Notice in the usual fashion.

The FCC said that it had revisited the structure of the amateur service on several occasions, the latest being in 1990, when the codeless Technician class license was established "and the amateur community confirmed its preference of preserving telegraphy as an examination requirement for the remaining operator license classes.

"The amateur service community in the United States generally considers the current telegraphy speed requirements as necessary and appropriate," the FCC said.

TWO AMATEUR SATELLITES LOST IN RUSSIAN LAUNCH

Two amateur satellites were lost when their launch vehicle exploded.

The Israeli-built Gurwin-1 TechSAT and the Mexican UNAMSAT were part of the payload of a Russian SS-25 rocket originally built to carry ballistic missiles and recently converted to launch satellites.

The Reuters news agency said the rocket which was launched from Russia's Plesetsk cosmodrome, came down in the Russian Far East, in the Sea of Okhotsk, on March 28.

Both satellites were designed for packet radio repeater use. Gurwin-1 TechSAT was built at the Technion-Israel Institute of Technology in Haifa as a 9600-bit/s packet store-and-forward satellite.

UNAMSAT was assembled by students at the Universidad Nacional Autonoma de Mexico (UNAM) in Mexico City. In addition to packet store-and-forward operation at 1200 bit/s, UNAMSAT carried a unique "meteor radar" experiment.

Reuters noted that the 115-pound Gurwin-1 TechSAT was a prototype for communication satellites and "was to have been used by amateur radio enthusiasts." Reuters did not mention UNAMSAT. Two Russian satellites also were lost in the failed launch.

SCHEDULE UPDATE FOR CALL SIGN APPLICATIONS

The FCC form necessary for applying for an Amateur Radio vanity call sign—Form 610-V—will not be available until after May 1.

Amateurs who call the FCC to request the form before then will not have their names recorded and it will be necessary for them to request the form again, when it is available.

Applications for amateur vanity call signs will not be accepted until after the forms are available, i.e., until sometime after May 1. The FCC will make a public announcement of the date of opening of the first "gate" for vanity call sign applications.

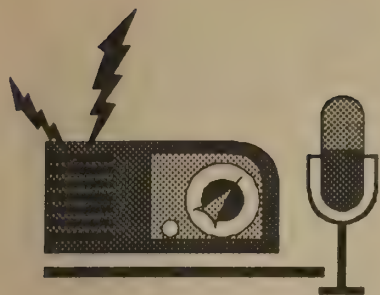
Beginning May 1, 1995, FCC Form 610-V may be requested by calling the FCC Forms Distribution Center at 800-418-3636. Or, send an SASE anytime to ARRL-VEC, for a form 610-V by return mail as soon as they are available after May 1. Write "Form 610-V request" on the outer envelope.

ARRL PRESIDENT, GEORGE WILSON

The condition of ARRL President George Wilson, W4OYI, who suffered a stroke on February 11, has improved.

On March 31 he was flown from the Virginia hospital where he had been undergoing treatment to his home town of Owensboro, Kentucky, where he entered a transitional care facility until he is ready for admission to a rehabilitation facility.

Friends may send cards to George's home address: 1649 Griffith Ave, Owensboro KY 42301.



DX DX DX

By John Kanode,
N4MM

ARRL AWARDS COMMITTEE ADOPTS MINIMUM SIZE FOR DXCC

On April 20, 1995, the ARRL Awards Committee voted 5 to 2 to accept a modified ARRL DX Advisory Committee recommendation to add a minimum size rule to point 2 (separation by water) of the countries list criteria in the DXCC rules.

This change adds the following paragraphs to the existing rules under point 2:

“(C) An island is defined as a naturally formed area of land surrounded by water, the surface of which is above water at high tide. Rocks which cannot sustain human habitation shall not be considered for DXCC country status.”

“(D) An island must meet or exceed size standards. To be eligible for consideration, the island must be visible, and named, on a chart with a scale of not less than 1:1,000,000. Charts used must be from recognized national mapping agencies. The island must consist of a single unbroken piece of land not less than 10,000 square feet in area, which is above water at high tide. The area requirements shall be demonstrated by the chart.”

Many have asked if this new rule will apply to the recent Scarborough Reef operation. This remains to be determined. Since the Scarborough Reef petition was submitted to the DXAC before the minimum size rule went into effect, some think it should be judged on the old existing rules.

Others think that it should come under the new rules since no vote in the DXAC has taken place

on Scarborough Reef. The DXAC is now in the process of voting on Scarborough Reef. The results should be known in June.

This issue of minimum size has created quite a bit of debate on both sides of the issue and I understand it was a hot topic at the International DX Convention in California and will even be more so at the Dayton Hamvention where hundreds of DXers will be in attendance for the major DX activities that take place there.

Some of the amateurs who went on the recent BS7H, Scarborough Reef operation will be at Dayton to give their slide/video presentation of this operation. Most of the members of the DXAC will be there and the chairman of the committee will be on the DX program. I am sure this will be a hot topic.

UPCOMING DX CONTESTS

Portugal Day Contest	June 10
ANARTS WW RTTY Contest	June 10-12
TOEC WW Grid Contest	June 10-12
All Asian CW DX Contest	June 17-18
RAC Canada Day Contest	July 1

UPCOMING DXPEDITIONS

Tanzania	5H	OH2BBF
Mount Athos	SV	KCIQF/SV0GV

P5BK was a bootleg operation, this station gave JA1BK as a QSL Manager and Kan has no knowledge of this station. Do not send for QSL's.

Reports continue to surface indicating that UA90BA is planning a big DXpedition to the Arctic/Antarctic regions starting this summer. Reports indicate that Bouvet Island shall be activated at the end of the trip, sometime in October or November.

RX1OX/FJL has reported of a possible shutdown of the polar base on Franz Josef Land

Column continued on page 16

Public Information Coordinator



Maryland/DC Section

By Melvin J. Morenz, N3EKZ
416 Brooks Court
Glen Burnie, MD 21060-7616
Voice (410) 760-9426
Packet: N3EKZ@WB3V.MD.USA.NA

WRTC POSTPONED

(Washington, DC) - The WRTC Administration announced that the World Radiosport Team Championships, to be held in Washington, DC, will be postponed one year.

The WRTC-96 competition will be conducted within the IARU HF Radiosport Championship Contest held the second full weekend in July, 1996.

The postponement will allow WRTC's financial sponsors a greater opportunity to publicize their participation well in advance of the event. Prospective competitors will also find it more convenient to make travel arrangements for 1996.

In addition, the time frame for qualifying scores for applicants will be expanded from five to six years, which includes results published during 1990-1995.

In order to have the most similar station sites possible, the field of competitors has been set to thirty teams for the 1996 event.

Questions and comments may be directed to Bill Hider, N3RR at (301) 424-2707 or to:

Eric Scace, K3NA, Co-Chairman
10701 Five Forks Road
Frederick, MD 21702-1674
(301) 293-2448

D.C. ARES - A PROFILE

The District of Columbia Amateur Radio Emergency Service (D.C. ARES) is actively supporting a number of organizations in the District of Columbia. A cadre of 39 members led by local Emergency Coordinator, Hani Raad, AA3EI, and three Assistant Emergency Coordinators are meeting once a week for training on a 2-meter net (145.11 MHz Sunday nights 8:00 p.m.), once a month for an eyeball meeting and staying in contact through a newsletter.

D.C. ARES has drilled with the National Capital Chapter of the American Red Cross and is establishing an Amateur Radio station on site, has assisted the Boy Scouts in a Half Marathon race, and has supported the D.C. Junior Chamber of Commerce for the National Cherry Blossom Parade.

Additional activities supporting events such as the Marine Corp Marathon and other marathons/walkathons are scheduled throughout the balance of the year.

D.C. ARES members have donated equipment for the use of the group as well as the supported organizations. Volunteer enthusiasm has been great. The group brings together the cumulative experience of hams with diverse backgrounds, ages, and physical abilities. Raad attempts to encourage participation of hams who are physically disabled, in frail health, or new to Amateur Radio.

Because the public's awareness and support of Amateur Radio depends on good image and performance in public service, the group attempts to present an image of trained communicators. A formal agreement with the D.C. Government in providing emergency communications as a RACES unit is under development.

For further information and to join D.C. ARES, contact Hani Raad, AA3EI, at (202) 223-3925. (by Lenny Schachter, N3RPQ, AEC D.C. RACES/RACES, PIO MADRAS, and Hani Raad, AA3EI DEC D.C.)

D.C. ARES SUPPORTS BOY SCOUTS AND THE NATIONAL CHERRY BLOSSOM PARADE

The District of Columbia ARES provided communications support to the Boy Scouts for their Half Marathon race on Saturday, March 25, 1995. The event covered several loops through downtown D.C. and operators were stationed at key points. Thanks to the following volunteers for their support: Hani, AA3EI; Quin, N3KGM; Eddie, W3HQ; Mike, N3PDK; Larry, N3OJD; Paul, KQ3X; Cy, N3EIP; Bill, KC4VXH; Jim, K9AUC; Jason, KB2RTQ; Gustav, N2ULX; Chester, W3EIL; Steve, W3ETX; Bob, KD4RNE; and Lenny, N3RPQ.



Members of the D.C. ARES prepare a portable antenna on the Mall in support of the Boy Scout marathon. Photo by Hani Raad/AA3EI.

On Saturday, April 8, 1995, D.C. ARES provided key communications support to the Washington D.C., Junior Chamber of Commerce for the National Cherry Blossom Parade. The parade marked the 83rd anniversary of Japan's gift of cherry trees to Washington. Celebrities from WRC-TV channel 4, a Cherry Blossom Princess, and actor Tony Curtis were star attractions. U.S. Park Police estimated that about 40,000 people watched the marching bands, floats, dancers, classic cars, and helium-filled balloons. D.C. ARES volunteers set up a communications tent on the mall at Constitution Avenue, N.W., erected two VHF antennas, powered the two 2-meter nets by a gasoline generator, and linked key posts along the parade through the nets.

Thanks to the following volunteers for their support in this event: Hani, AA3EI; Paul, KQ3X; Eddie, W3HQ; Chester, Jason, KB2RTQ; Bill, W3HFX; Bill, KC4VXH; Cy, N3EPH; Bob, KD4RNE; Jim, AA3CD; Stan, KD4YEP, John, KI4HK; Paulo, N3MGA; Joe, K3UAL; Dave, N3EAM; Tony, N3MIO; and Lenny, N3RPQ. For further information, contact Hani Raad, AA3EI, at (202) 223-3925.

PIC LEAVES POST

Gaining the attention of the clubs within the Maryland/DC Section in order to help publicize amateur radio to the general public by appointing Public Information Officers (PIOs) is a very "hard sell" proposition.

After one and a half years, this effort resulted in only 9 PIOs being appointed. This could be looked upon in two ways. First, it was a 900 percent increase and therefore a highly successful endeavor, or on the other hand it could be looked seen as a failure, since there are 50 plus clubs in the Maryland/DC Section. My goal was to have a PIO appointed for each club.

Numerous letters, questionnaires, requests for speakers to be added to Speakers Bureau list and updates of club rosters resulted with virtually "no-response" from the clubs. With the exception of a few updates to club rosters, there was no other response. A few of the PIOs faithfully submitted articles for publication here in *Auto-Call* and my thanks to them for their support.

To be effective as a coordinator you have to have something or someone to coordinate. Since there was virtually no input from the clubs, there was no information to coordinate. This is a "grass roots" effort starting with each and every club.

There does not appear to be a desire on the part of the clubs to share their activities with the general public. At least that is the way it is perceived from this vantage point, and I found that

Continued on page 55

DX DX DX, Continued from page 13

due to budget problems. It could happen within the next couple of months with all the personnel returning to the mainland. If you need this one for a new country, work it now. They have been active on several bands in the past two months. R1FJL and RXIOX/FJL are now active from FJL.

On April 5, 1995, the FCC starting issuing new club call signs after a 17 year period of not doing so. Several local clubs have received their clubs. It appears that one of the first was issued to the North Shenandoah DX Association. These club calls are from the 2x3 format and are required in order to apply for a desired call when the Vanity Call Sign System starts later on this year.

The following club calls have been reported issued:

KE4YRP North Shenandoah DX Association
KE4YVI National Capitol DX Association
KE4YVE Signal Hill Amateur Radio Club
KE4YVU Fauquier Amateur Radio Club
K82UGO East Coast DX Club

The following DXing Aids are available from Dieter Konrad, OE2DYL, Rosengasse 1, A-5020 Salzburg, Austria. Each aid is \$5.00 US which includes air mail postage. "DX NETS AROUND THE WORLD", "CONTESTS AROUND THE YEAR", "ARRL DXCC COUNTRY LIST", and "RUSSIAN DXCC COUNTRY, PREFIX AND OBLAST LIST".

The latest version of Dennis Peterson N7CKD's list of the 160 meter band allocations for every current ARRL DXCC country is now available from Dennis for \$5.00. Orders for the list go to Dennis at 4248 A Street. SE, Auburn, WA. 98002.

Survivor's Assistance Program

The Foundation's Survivor's Assistance Program has been in operation for many years and has accomplished a great deal for the families of our Silent Keys. The program offers to help widows or widowers (and other family members) evaluate and dispose of radio equipment in an Amateur's estate. Listings of Estate Sales are carried in the Shack Sales of *Auto-Call* magazine free of charge, and major items may be offered for sale at local hamfests, etc. No fee or commission is charged the families.

One other option that should be considered is donating equipment to a club taking a tax write-off for the charitable contribution. The Survivor's Assistance Program can help you find a club that will make good use of the equipment. Some commercial operations are also willing to purchase the complete list of equipment and clear everything out at once. This may be the quickest solution in disposing of an estate.

Every ham is encouraged to maintain a list of his/her radio equipment, with realistic evaluations, and instructions on the disposition of any specific items you would like to have go to a special person or organization. Keep your family advised of your wishes.

For more information about the Survivor's Assistance Program contact any local Foundation member club or call Tony Young/WA3YLO at (301) 262-1917.



Elmer's Corner

By Paul E. Wilkins,
AB4CY

Cold Light, the LED

Thomas A. Edison is credited with the invention of the electric light. His breakthrough was finding something that you could heat red hot that wouldn't burn up. His was a carbonized linen thread placed inside a glass bulb with low air pressure. They aren't much different more than a hundred years later except that the filaments are made of tungsten. The "pop" you hear if you break one is from the release of the vacuum.

The Halogen lamps are filled with a high pressure gas to let the filament operate at a higher temperature to provide more light and to help cool the bulb. Halogen bulbs are generally double walled and are liable to explode upon breakage. All of the incandescent light bulbs have two things in common: they get hot and they eventually burn out. They fit into sockets so they can be easily replaced.

Over the years thousands of designs were manufactured and they ended up everywhere; flashlights, autos, planes, ships, radio dials, homes, and workplaces. The smallest bulbs ever made were called "grain of wheat" because they were just about that size. The first low heat light source was the mercury vapor lamp and the fluorescent tube. The mercury vapor is still warmed slightly by an internal filament (which shuts off after the lamp starts, that's what the "starter" does). The warming is to ensure that the gas will ionize when the electric field is applied.

In the incandescent lamp, electrons are literally boiled off the filament material. When the electrons

fall back into orbit around the atoms of the filament they give up some energy by emitting a short pulse of light. In the mercury lamp an electric field pulls the electrons away from the mercury atoms and when these electrons fall back into their orbits they also emit a pulse of radiation.

Incandescent lamps have a lot of radiation in the infra red (that's where those "heat-lamps" come from). Mercury vapor lamps have their radiation in the ultra- violet (that's where "sun-tan" lamps came from because the ultra violet causes tanning and sunburn). The frequency of the light (color) depends on the average loss of energy by the electrons when they fall back into orbit.

The solid state PN junction is another device where electrons can be removed from orbit by the influence of an electric field. When these electrons fall back into orbit, they also emit a short burst of radiation. Not all PN junctions do this and the photo-transistor is the reverse process where light falling on the junction adds enough energy to cause current to flow across a biased junction, turning it "on".

The color of the light emitted by the LED depends on the material the junction is made from. The common colors are red, green, and yellow. These three can be mixed in limited amounts to provide slight differences in coloring. Since there is minuscule heating of the junction the source is considered cold. Estimates are that an LED should have a working life of more than fifty years.

Another striking difference between these light sources is the speed with which they can be turned on or off. The heat-based depend on warm-up and cool-down times. The vapor sources depend on the rate of electric field change. The LED can have switching times of nanoseconds (a thousandth of a microsecond) and shorter. This property has made the whole field of opto-electronics feasible. The action time is so fast that there are projects underway to utilize light "connections" instead of wires in computers because electrons in wires are

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THE FUTURE OF MORSE CODE

Since last fall there have been many news items about this subject. At the root of it all was a proposal originating with ORACLE (The Organization Requesting Alternatives By Codeless Examinations, Inc.), a private organization in New Zealand. ORACLE'S objective was to secure modification of ITU Radio Regulation 2735 (Part of Article 32 of the RRs, which addresses the Amateur and Amateur Satellite Services).

There have been several items on this subject in this column since October 1994, and they bear re-reading. However, the bottom line has just been written. According to the W5YI Report for April 15th, the New Zealand Government has decided to actively seek the suppression of RR 2735 at WRC-95. (our understanding until now was that ORACLE sought to modify but not eliminate the RR 2735).

The agenda of WRC-95 is almost exclusively devoted to the Mobile Satellite Service frequency bands, and the Space Services. However, the first item on the WRC-95 agenda is to review the final report of the VGE (Volunteer Group of Experts) and to consider related proposals from administrations, in order to undertake as appropriate a revision of the radio regulations and to provide a timetable for the implementation of outstanding recommended actions.

The New Zealand Government believes that the next Regulation in Article 32, RR 2736, contains the minimum required amateur radio operator qualification guidelines, and has the added advantage of permitting each country to establish their own operator requirements. RR 2736 reads: "Administrations shall take such measures as they judge necessary to verify the operational and technical qualifications of any person wishing to operate the apparatus of an amateur station".

What will happen between now and the opening of WRC-95 (October 23, 1995) is anyone's guess. We'll keep you informed.



Is your club logo pictured here?

If not, it should be!! Commencing with this issue, Auto Call will include your club logo in the heading section of your Club Column. Now's your chance to show off your 'club colors' and add distinction to your column. Submit your club logo in either good contrast black and white copy, or electronically on a 3.5" Macintosh or MS-DOS disk in an EPS or TIFF format. Logo submissions should be sent to: John Queen, Editor, *Auto-Call*, 755 Woodland Way, Owings, MD 20736. Call (301) 855-0198 for any logo questions.



Traffic Fun

By Geri Sweeny,
N4GHI

Does your call with begin KE4? If so, you are needed on a traffic net. Join your Local, and/or Section traffic net to meet new friends and enjoy one of the best means of utilizing your radio. And, while you are getting great pleasure from handling traffic, you will be building the expertise to help your community should an emergency arise. Nets meet at scheduled times so you can plan your radio activities. They are short (10 to 20 minutes), so you don't have to spend a lot of time unless you wish to become a liaison station. CW nets make an outstanding way to practice and gain speed.

How active is your club? What radio activities do your members pursue? How many members have ARRL appointments, such as: PSHR (sending a Public Service Honor Roll report to the SEC); or, ORS (sending Official Relay Station reports to the STM)? Do you have a traffic Elmer ready to assist new club members? Have any of your club members earned the highest traffic award - the Brass Pounders League Medallion? How many have any of the numerous certificates available?

As Section Traffic Manager of Virginia, I

received the following note from KN4US, in Virginia Beach. What excellent work the Virginia Beach ARC is doing. Can anyone of our Northern Virginia, DC, and/or Maryland club claim such superior operations?

TAKE A BOW VBARC

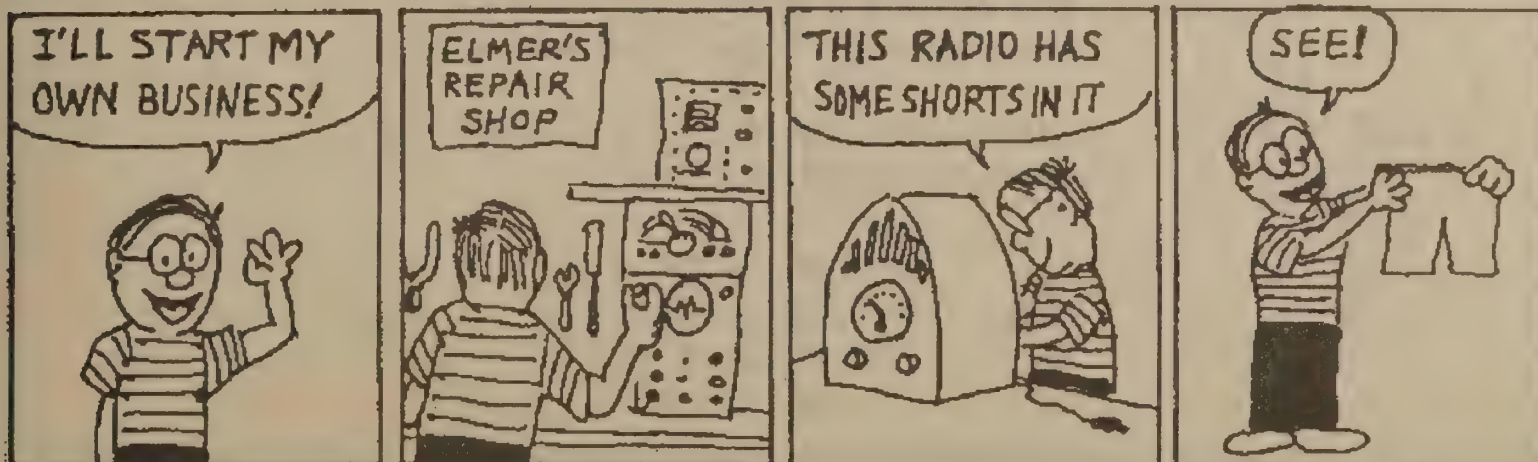
While gathering material to renew VBARC as an ARRL Special Service Cub some interesting numbers became apparent. In the March 95 QST which reports operating statistics for December 94, there were 302 US amateur calls listed as qualifying for PSHR. Sixteen of those calls (5%) were VBARC members. In the Brass Pounders listing there were 87 calls. Six (7%) were VBARC members. Virginia Section news in the same QST gives traffic count for 55 Virginia amateurs who reported to the Section Traffic Manager. Twenty-four (44%) were VBARC members. These numbers reflect a remarkably high level of NTS traffic handling activity. Our Novice and traffic classes, the message center and the STARES (So. Tidewater ARES) net under KD4JMA's leadership are all factors in producing this impressive record. Everyone involved, please be proud of yourselves, take a bow and keep up the good work.

I'm looking to hear from you *Auto-Call* subscribers on what's happening in your clubs so that I can brag. Send me your comments.

N4GHI @ WA3TAI
4728 Neptune Dr
Alexandria VA 22309

ELMER

By Rich Regent, K9GDF



WHILE we were drinking our after dinner KØFEE, the WAITER dropped by with the dessert tray. I took one WHIFF of the WHITE chocolate cheesecake but had to decline. "NØSIR", I said. My NØSE was sure excited, but I had to WAIVE off dessert to watch my WEIGHT.

The NØISE in the restaurant started to subside as the hour of NINE approached. After paying the check, we stepped out into the NIPPY evening WIND of the Chesapeake Bay and pointed the car NØRTH down the WIDE boulevard. I still had some NØTES to read at home before WØRK the next day, and "Buddy" our K9PAL along with "K.C." the K1TTY had yet to be fed.

The WHINE of the car's motor provided a soothing backdrop as I adjusted the KNØBS on our mobile HF rig. A distant WA1L of a signal came through the band WIDTH. It was a strange signal WH1CH I had never heard before. I tuned the NØTCH filter slightly to lock it in.

Over the WHIRL of the car's engine came a most ominous voice speaking in repetitive drone, "John, W1ELD the power of the WH1Z, and WR1TE the call you W1SH to have as W1MP....John, W1ELD the power of the WH1Z, and WR1TE the call you W1SH to have as W1MP."

"NØWAY", I screamed back into the mic. "That's a lousy call! And WHØRU anyway?" I shouted. The ominous voice returned. "I am the FCC Santa Claus, and I've come to see whether you've been NØTTY or N1CE."

"I've been neither", I shouted. "I've always been KAØSEY!" "Yes you have John, but the only vanity call left is W1MP. All the good vanity calls have already been taken. You waited too long to apply. NØEL, John, NØEL ..." and his voice started to fade. I glanced up at the digital calendar on the dashboard. It read December 24th. "No! No! No! It can't be true" I screamed. "It's simply not fair!!"

Suddenly, I felt the presence of another voice and felt a jerking sensation. "John, John!! Wake up! You're having a bad dream!!" I sat straight up and noticed cold sweat streaming down my forehead. After a few seconds of consciousness, I turned to Kathy who hugged me tightly. "What was that all about?", she whispered.

"I don't know", I said. "But first thing in the morning, I'm getting my 610-V form off in the mail!!!" She scratched her head in puzzlement and rolled back over.

Yes indeed, it certainly was a strange evening last night....

73's de KAØSEY, John



REMINDER...



...has a new editor. Submit all Club Columns, Shack Sales, and commercial advertising copy to:

John Queen
Editor, Auto Call Magazine
755 Woodland Way
Owings, MD 20736



Amateur Radio Training Classes

John Forrest WZ4A
6111 Burnett St., Alexandria, VA 22310
(703) 971-3905

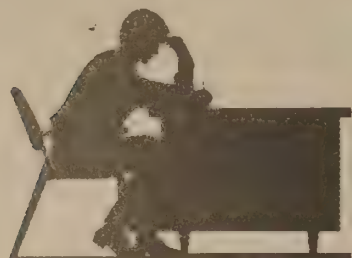
Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the *Auto-Call* publication date (e.g., 25 May for the July issue).

Class Announcements

None as of deadline for publication.

Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703) 644-3920
Anne Arundel RC	Tony Young WA3YLO	(301) 262-1917
Arlington ARC	Fred Bardsley WD4DHW	(703) 533-0372
Antietam Rad Assn.	Robert Long KD3JK	(301) 824-5132
Baltimore RATS	Joe Chidester W3SHZ	(410) 602-0353
Baltimore ARC	Essex Community College	(410) 780-6854
Fauquier ARC	Neil Spokes AB4YK	(703) 364-3861
Frederick ARC	Steve Bauman W3FOA	(301) 662-4552
Herndon Rep't Gp	Michael Weber WB8RDN	(703) 450-2304
Laurel ARC	Pud Reaver W3DQI	(301) 498-6293
Madras	Larry Ziecheck	(301) 984-6113
MD Mobileers ARC	John Baugus N3JME	(301) 551-3161
Montgomery ARC	Rocky Jones KC4UXO	(301) 216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703) 971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301) 249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703) 361-3091
Pentagon ARC	David Boyd K9MX	(703) 659-6241
St. Marys Co. ARC	Peter Butt WA3UMY	(301) 862-2214
Shenandoah Val ARC	Guy Black W4PSJ	(703) 722-4952
Southern MD ARC	Vic Curtis WA3YUV	(301) 888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410) 586-2177
Stafford Adult Ed	Jerry Mullinix AC4HK	(703) 659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703) 430-4149
Tri-County ARC	John Creel WB3GXW	(703) 572-5124
Vienna Wireless	Paul Wilkins AB4CY	(703) 560-2779
Woodbridge Wireless	Cliff Deel KO4FM	(703) 491-0841



Volunteer Examiner Cooperative

JOHN FORREST WZ4A
6111 Burnett St.
Alexandria, VA, 22310
(703) 971-3905

* Effective July 1, 1995, the Advanced Class written exam question pool (Element 4A) will change. Since the question pool has not been changed for many years, significant changes are anticipated. Be sure to use study materials appropriate for the current question pool.

* The maximum exam fee has been raised by the FCC to \$5.90.

* Copies of the complete (as of date) 1995 VEC Exam schedule from the *Auto Call* database are available. To obtain a copy, please send a large, self-addressed envelope with sufficient postage to cover 10 letter-size pages along with \$1.00 to cover copying costs to WZ4A at the above address.

1995 Schedule of Examinations

June 4 (Sunday)	Landover, MD - D.C.M. ARC (W5YI VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 (Day) (301)773-2898 (Evening)
June 10 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey N4GUS (703)455-1510
	Cumberland, MD - Mountain ARC (Mount. ARC VEC) Walk-In Contact: Leo Patterson KQ8E (304)289-3576 Gay Rembold W3DFW (301)724-0674
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
	Manassas, VA - Ole Virginia Hams ARC (ARRL VEC) Walk-In Status Unknown - Call Contact for info Contact: Harry Vorhauer W4PVA (703)378-6050

June 15 (Thursday)	Towson, MD - Baltimore ARC (ARRL VEC) Walk-In Contact: Bob Kennick WB3HNV (410)426-8255 Mailbox #3468
June 17 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Smithsburg, MD - Mid-Atlantic DX & Rptr Assn. (ARRL VEC) Pre-Registration Requested Contact: J.M. Vaia WB8VBW (301)416-8447 Box 110
June 26 (Monday)	Annapolis, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested, Walk-In limited Contact: Lois Turner KA3VVQ (410)647-4178
July 2 (Sunday)	Landover, MD - D.C.M. ARC (ARRL VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 (Day) (301)773-2898 (Evening)
July 8 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey N4GUS (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
July 15 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Smithsburg, MD - Mid-Atlantic DX & Rptr Assn. (ARRL VEC) Pre-Registration Requested Contact: J.M. Vaia WB8VBW (301)416-8447 Box 110

July 15 (Saturday)	Washington, DC - GWU-DOS ARC (ARRL VEC) Walk-in Contact: Hani Raad AA3EI (202) 223-3925
July 21 (Friday)	Arlington, VA at the Pentagon - Pentagon ARC (ARRL VEC) Pre-Registration Encouraged Contact: Jim Fox KE4EID (703)756-8994 (Work), (703)931-6523 (Eve.)
July 25 (Tuesday)	Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested, Walk-In limited Contact: Jerry Gavin NU3D (410)761-1423
July 30 (Sunday)	Hagerstown, MD - Antietam Radio Assn. (ARRL VEC) Pre-registration Strongly Recommended - Limited Walk-In Contact: Page Pyne WA3EOP (301)714-0688 (Day) Bob Long KD3JK (201)824-5132 (Evening)
August 6 (Sunday)	Berryville, VA - Shenandoah Vally ARC (Hamfest) (Mount. ARC VEC) Pre-Registration Desirable Contact: Leo Patterson KQ8E (304)289-3576 Gay Rembold W3DFW (301)724-0674
August 12 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey N4GUS (703) 455-1510
	Cumberland, MD - Mountain ARC (Mount. ARC VEC) Walk-In Contact: Leo Patterson NQ8E (304) 289-3576 Gay Rembold W3DFW (301) 724-0674
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301) 262-5083
August 17 (Thursday)	Towson, MD - Baltimore ARC (ARRL VEC) Walk-In Contact: Bob Kennick WB3HNV (410) 426-8255 Mailbox #3468



Volunteer Examiner Cooperative

EXAM FEES:

- * Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
- * ARRL VEC exams cost \$5.90
- * Laurel VEC exams are free
- * Mountain VEC exams are free
- * W5YI VEC exams cost \$5.90

BRING TO EXAM:

- * Picture identification
- * Completed FCC form 610 (most VE teams will supply at exam)
- * Original and a copy of current FCC amateur radio license
- * Originals and copies of all active certificates of successful completion of prior exams
- * Exam fee (check or cash depending on VE team)

"GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

- * If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., Sept. 25 for November issue)



Amateur Radio Newsline

Compiled by
John Queen
KAØSEY

[Editors Note: The following is late news about Amateur Radio for Radio Amateurs as prepared from NEWSLINE RADIO scripts by the staff of the AMATEUR RADIO NEWSLINE, INC., formerly the WESTLINK RADIO NETWORK. For further information about the AMATEUR RADIO NEWSLINE, please write with an SASE to, P.O. Box 463, Pasadena, CA 91102.]

DAYTON

While Hamvention '95 is fast becoming history, as usual it's one for the record books. While official figures are not yet in, it's believed that attendance this year may have topped 40,000. There were crowds everywhere and few were complaining.

The 1995 Dayton HamVention is now history. HamVention opened on Friday to sunny skies. Something HamVention attendees have not seen in recent years.

As usual there were thousands of amateurs milling about the indoor exhibits, as well as out in the flea market. There was an abundance of forums on many subjects including AMSAT, packet radio, electrical safety demonstrations, and FCC forums, to name just a few.

Hourly and major prizes were abundantly donated by just about every amateur manufacturer imaginable. The Gala Banquet Saturday evening were highlighted by the presentations of the coveted Amateur of the Year, Special Achievement and Technical Excellence Awards. Even though Sunday dawned with that nasty four letter word, RAIN. Just about everyone had a good word or

two to say about this years Dayton HamVention.

"The one supermarket which demonstrates the wide variety of modes and wide variety of interests that make up this hobby."

"HamVention and I both started out in 1952. I don't care what the weather is, I'm not moving my birthday back three weeks."

"The exhibitors in this years HamVention were so great I never even got the chance to make it out to the flea market."

"The items that were there seemed to be of a little better quality than some of the years in the past."

"I can't believe it is HamVention Weekend and it is still dry!"

"Not enough time in the in the weekend."

"My gosh, I over indulged."

"I never thought I would be happy to have a sunburn!"

Some HamVention history also pasted with the conclusion of this years Dayton HamVention. As next years HamVention will be moved to the third weekend in May, instead of the traditional last weekend in April.

And this additional note. The Amateur Radio Industry Group held its first meeting of 1995 in Dayton the evening before the Hamvention opened.

FCC OK'S 219 MHZ BAND

On April 26, 1995, amateurs gained secondary status access to 219 to 220 MHz. Amateur operation is limited to forwarding stations in point to point fixed digital message forwarding systems, including intercity packet backbone networks only. All amateur stations are required to notify ARRL (in its FCC designated role as contact point) at least 30 days before operating in this band, and amateur

stations within 80 km of an Automated Maritime Telecommunications Systems coast station must obtain written permission from the AMTS licensee before operating. Amateur stations between 80 km and 640 km of an AMTS coast station must notify the AMTS licensee.

A Form 219A kit, available from ARRL Headquarters, includes a cover letter of explanation, a Form 219A for the required notification to ARRL, one is required for each transmitter planned) and a copy of the 219 to 220 MHz band plan.

REPEATER COORDINATION MEETING DELAYED

The ARRL hosted repeater coordinators meeting is being rescheduled until later this year.

Only a week or so ago the leagues special committee on repeater coordination had chosen June 10th in Saint Louis, Missouri as the time and place for the long heralded event. Letters went in the mail to those who had requested invitations.

As we understand the sequence of events, the committee learned at the Dayton Hamvention that a number of key individuals and groups had scheduling conflicts that weekend. After a quick consultation the committee has decided to abandon its plans for a June meeting. We are told that it will probably now take place in the September to October time frame.

HF DIGITAL AUTO FORWARDING APPROVED

The FCC will amend its rules to permit limited automatic control of digital stations on the amateur HF bands. The action, in PR Docket 94-59, was announced in a press release. The automatically controlled station must either be connected to another station under manual control, or must transmit within a subband designated for this purpose. Those subbands have not yet been announced.

The Commission said it believes these rule changes will allow amateurs to "contribute to communication technology" and to advance amateurs' communication and technical skills.

YOUNG HACKER

Several San Francisco newspapers have reported on a high school student who received a certificate of merit for helping teachers with computer problems who has now been charged as a computer criminal.

The 16 year old High School junior, whose name has not been released, has pleaded innocent to using his home computer to alter school data. He is charged with eight felony counts of computer crimes.

According to a school district report, employees noticed last April that someone was using fake passwords to download student files. The student was arrested in September after a police search of his home.

The teenager has admitted to the San Francisco Chronicle that he changed school records to show he made a "C" in biology instead of a "D." He says however that the charges do not address that infraction, which he insists was his only one.

SPECIAL OLYMPICS

Thanks to the efforts of Paul Curtis, N1LNA, of Greenwich, Connecticut, anyone with Internet access to the World Wide Web can check out the information, announcements and news updates regarding Amateur Radio communication support for the games.

Also, a Ham Radio Special Olympics Mailing List has been created to carry announcements, discussion and questions related directly to Amateur Radio operators' participation in the 1995 Special Olympics World Summer Games. Although it's mainly useful for hams who expect to assist by providing communication support

onsite at the Games, anyone with a serious interest, suggestions or questions may be posted to this list.

The 1995 Special Olympics World Summer Games in New Haven, Connecticut from July 1st to the 9th.

CELLSAT

Call it Cellsat for short. That's not its real name but it is a new satellite in orbit designed to provide continuous service for cellular phone users.

Its owner, American Mobile Satellite Corporation says that the new bird is dedicated exclusively to mobile telephone, radio, fax, paging and data communications.

American Mobile says right now America's 20 million cellular phone subscribers can't use their phones in more than a third of the country. That's because there's not enough relay stations on the ground. But the new bird fixes this for those who go beyond a conventional systems coverage area.

With the new bird, cellular phone users will have their calls routed automatically to the satellite which should begin commercial operations by fall.

POSSIBLE FJL RADIO SHUTDOWN

Ed Kritsky, NT2X, reports he had a conversation with Slava, RX1OX/FJL, operating from Franz Joseph Land. Ed says that he was told that a possible shutdown of the polar base may happen due to budget constraints.

The base closure could take place within the next several months, and if it does, then all personnel will be removed to the mainland. This would mean that FJL will no longer be represented on the air.

Currently active from Franz Joseph Land are R1FJL and RX1OX. He was last heard on March 4th, on 14.237 MHz at 0123 UTC.

DX

In DX, XV7SW in Vietnam reports a break in his normally busy work schedule and expects to be able to spend more time on the air. Unfortunately he is only authorized to operate on certain frequencies. Listen for him on 3.505 MHz. He has applied for permission to operate on 1.827 and 7.012 MHz, but at airtime no word on approval for expanded operation.

ARRL OPEN HOUSE

The annual ARRL Headquarters Open House is Sunday, June 4th, from 10 AM to 3 PM. This is the same day as the Newington Amateur Radio League's flea market which runs from 9 AM to 1 PM local eastern daylight savings time.

CB PACKET

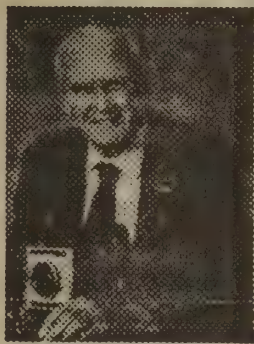
And finally, announcements from CB operators in Australia are showing up on ham radio packet bulletin board world wide. One Australian group, BG3 CB Club has gotten a message going around that turned up in Germany. It calls for CBers of Philippine nationality to tune their CB radios to channel 26 and have a DX chat.

The problem is that nobody in Australia seems to know how these postings are getting onto packet. Once the audit trails get back to a specific city it ends abruptly.

Some think the original posting may be to the world wide web with auto forwarding putting them onto the ham radio packet networks. Unfortunately the dead end trails make this theory impossible to confirm.

Australian telecommunications authorities are believed to be looking into the problem but their investigation could take a long time. For the near future at least, you can expect to see more foreign CB oriented messages flash by your PBBS and your own packet screen.

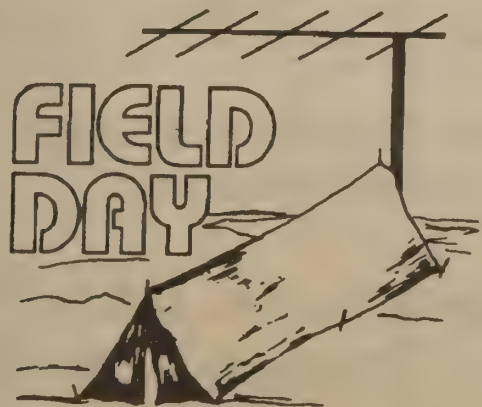
Silent Keys



Walter B. Lane W3KGN, 81, of Gettysburg, PA, became a Silent Key on Sunday, April 9. Walt was president of the Adams County Amateur Radio Society. Born Dec. 5, 1913, Walt studied photography

at the New York Institute of Photography. He began his lifelong career as a professional photographer in 1933. In the late 1930s and early 1940s he worked for *Life* magazine as a news photographer, and served as an ensign in the U.S. Navy during World War II. Walt used his interest in amateur radio to found the Adams County Amateur Radio Society and assisted hundreds of youth and adults for the past forty years in obtaining their ham radio licenses, enabling numerous individuals to experience the world of amateur radio. He remained active in this organization until his death. Additionally, he served as Adams County's emergency operations communications officer for many years. He continued to serve as an assistant to the director of civil defense for the county. He worked continuously to ensure the viability of a county-wide communication network to be used during times of emergency. He was the widower of D. Janice Halbach and the son of the late William and Clara Lane. He is survived by four children.

John F. Corkill Sr., W3RMQ, 87, a retired chief of the Satellites and Ground Station Branch of the Federal Communications Commission, died of a self-inflicted gunshot wound April 10 at his home in Adelphi. He had Alzheimer's disease. The Maryland chief medical examiner ruled the death a suicide. Mr. Corkill, a native of Presho, S.D., graduated with a degree in electrical engineering from the South Dakota School of Mines and Technology. In the mid-1930s, he worked for the U.S. Coast and Geodetic Survey in the south, on a federal power project in Maine and for Westinghouse Electric. He began his career with the FCC in Denver in 1939. He had assignments in Michigan and Minnesota before transferring to Washington in 1946. His work involved radio frequency allocation, and he represented the United States on international bodies dealing with that field. He retired in 1970. Mr. Corkill was a past president of Ascension Lutheran Church in Landover Hills and a member of the operating committee of "The Lutheran Hour," a religious broadcast. He also was a past president of the Landover Hills Volunteer Fire Department. He was an amateur radio operator for 55 years. His first wife, Catherine Corkill, died in 1977. Survivors include his wife of 14 years, Loretta Corkill of Adelphi; three children from his first marriage, four stepchildren, a sister, and 13 grandchildren.



Don't Forget!

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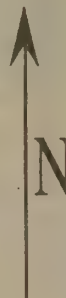
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1995 FATHER'S DAY HAMFEST

SPONSORED BY

FREDERICK AMATEUR RADIO CLUB

K3ERM



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Walkersville Volunteer Fire Company

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WALKERSVILLE, MD

GIANT OUTDOOR FLEA MARKET
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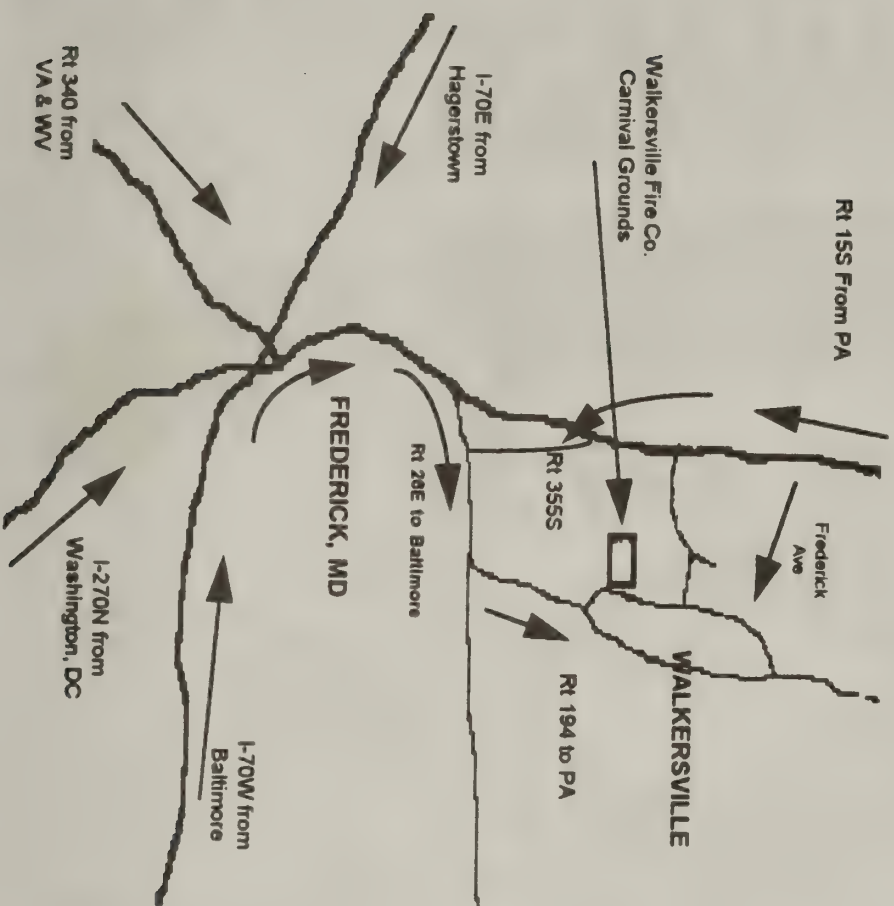
448.425 (-)

147.060 (+)

call the SOUND SOURCE for more
information (301) 695-2633 6393

General Admission: \$5.00

Tailgating per Space: \$5.00

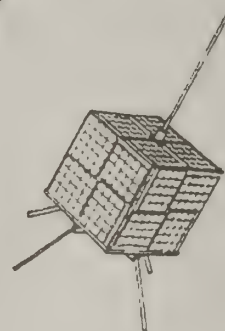


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Write: MADRA HAMFEST '95, 230 N. Potomac St., Hagerstown, MD 21740

Directions: Take RT.340 to RT.17 South and follow signs to
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TALK-IN: 147.060 / 448.125 MHz Repeaters
MADRA NET Every Tuesday Night at 7:30PM on 147.060+

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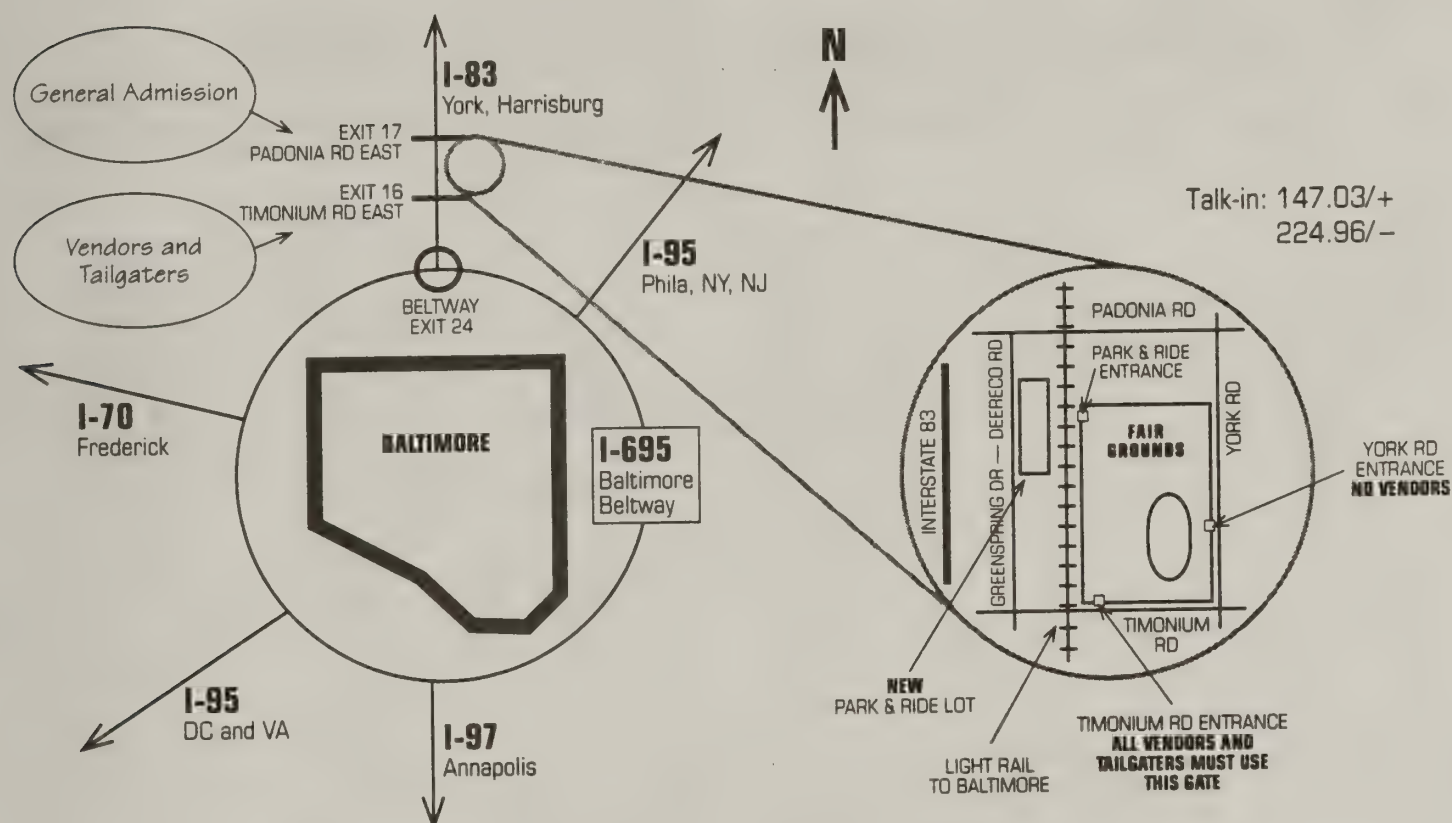
MARYLAND HAMFEST AND COMPUTER FEST



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The Shenandoah Valley Amateur Radio Club Presents The **45th Annual Winchester Hamfest and Computer Show**

(Electronics Flea Market Open To The General Public)

SUNDAY, AUGUST 6th, 1995

AT THE CLARKE COUNTY RURITAN FAIRGROUNDS IN BERRYVILLE, VIRGINIA



ARRL APPROVED
HAMFEST

- GATE OPENS AT 6:00 AM
- GENERAL ADMISSION \$5.00 (children under 16 free)
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Always the first
Sunday in August.

by Rick Choy
N3HXT
Hamfest Chairman

*VE Exams 8 AM by the
Mountain Amateur Radio Club
At Cooley School, across from
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All classes of licenses
Pre-registration requested

For information and vendor registration and pre-reservations, call Irv Barb KD4BHV (703) 955-1745, Rt 3 Box 5385, Berryville, VA 22611
The SVARC is a non-profit, non-commercial special service organization dedicated to the furtherment of Amateur Radio communications



AMSAT The Radio Amateur Satellite Corporation

Local Meetings: Semiannual in March and September.

VHF FM Net: Sunday at 9 p.m. on 146.835 MHz FM, WA3NAN/R, Greenbelt, MD except on government holiday weekends.

Information: NCS Pat Kilroy, WD8LAQ, Contact by packet radio: WD8LAQ @ WB3V.MD or by Internet: wd8laq@amsat.org.

AMSAT is a non-profit, scientific and educational organization incorporated in Washington, D.C. with headquarters in Silver Spring, Maryland. Everyone is welcome to join AMSAT and to become actively involved in the support and operation of the amateur space program. If you would like additional information then you may write to: AMSAT Headquarters, P.O. Box 27, Washington, D.C. 20044. Or you may telephone headquarters at 301-589-6062.

SAREX FLIES TWICE IN JUNE!

The Shuttle Amateur Radio Experiment (SAREX) is currently scheduled to fly on two missions in the month of June. The launch dates given here at press time are "targets". The actual dates depend on a number of related activities. If you haven't tried to participate in SAREX yet, here's your chance. More and more amateur radio individuals and groups are showing elementary school and high school classrooms how to participate. Parents and teachers take note!

The next SAREX mission will be STS-70 with space shuttle Discovery and Mission Specialist Don Thomas, KC5FVF, in a 28.5 degree orbit for up to six days. The current target launch date from Pad 39B is June 8. SAREX will fly in "Configuration C". That is, the modes to be used will be FM voice and packet radio. The primary payload on STS-70 is a new Tracking and Data Relay Satellite System (TDRSS) satellite.

The STS-71 Atlantis docking mission will use the space station Mir communication equipment to "simulate" SAREX. This mission will be using Configuration M, as in Mir, meaning FM voice only. This nine day mission is scheduled to launch on June 19 with Pilot Charlie Precourt, KB5YSQ, and Mission Specialist Ellen Baker, KB5SIX, in a 51.6 degree orbit.

The above target dates have moved around a bit. These dates depend on the Russian Spektr module launch on a Proton rocket to have occurred between May 21 and May 25. The Spektr module carries critical Russian and American research equipment. It was to have been launched in February, but that flight was delayed because of ground processing problems.

Check AMSAT News Service (ANS) bulletins ANS-112.02, ANS-105.02, ANS-126.01 and others from Frank Bauer, KA3HDO, AMSAT VP Manned Space Programs. These bulletins are available on local BBSs on packet radio and several telephone modem BBSs. Watch for bulletins on W1AW, listen to the WA3NAN space shuttle retransmission frequencies or check in to the local AMSAT net for the latest SAREX news!

LOCAL AMSAT NET NEEDS HELP

Currently, our local AMSAT weekly information two-meter FM net is meeting on Sunday evenings on the WA3NAN/R system which is located in Greenbelt, Maryland. The number of check-ins vary week by week. I have two concerns. First, I wonder if we were to meet on the air on a different day of the week if we would increase participation. Would Monday night at 9 p.m. be better? Please let me know what you think!

Second, on weekends that touch a government holiday we take a break and suspend the net for that week. This is to give our Net Control Station (NCS) a break. We really need to train a backup net control station to share the load, especially during the summer months. Training couldn't be easier with the complete script that is available in

Continued on page 40



Anne Arundel Radio Club

Meetings: First and Third Thursday of the month at 8 p.m. at the Davidsonville Family Recreation Center, Queen Anne Bridge and Wayson Roads off Maryland Route 214 near Annapolis.

Mailing Address: P.O. Box 308, Davidsonville, MD 21035

On The Air: 2030 Thursdays when there is no club meeting on 147.705/105. Tuesdays at 2030 local time on 28.410. Wednesdays at 2000 on 444.400. The Chesapeake Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15. MSN (Maryland Slow Net) every evening at 1930 on 3.7170 Mhz.

Information: Margaret (Holly) Bevan, 410-923-0229.

A surprise guest speaker was announced for the April 20th program meeting. And it was a very surprising program. Club Member Dan Weisenburger/KW4T gave a tongue-in-cheek, off-the-wall explanation of radio wave propagation to the delight and amusement of those present.

April was a busy month for public service events. On Sunday April 9th, AARC members furnished communications for the Annapolis Striders' Cherry Pit 10-mile race in South County. Then on Sunday April 30th, a dozen club members did the same for the March of Dimes Walk-a-thon in Annapolis. Unfortunately, the weather did not cooperate for this event, and the number of walkers was greatly diminished because of the steady rain.

At the clubhouse on April 8th, Bob Israel/WC3I, Charlie Tiemeyer/W3RMD and Oscar Ramsey/NV3G gave 71 tests to 30 people. Twenty-nine tests were passed with 13 upgrades. They were assisted by Harlan Ray, III/AA3FE, Jeffrey Smith/N3OKY, Herb Elkin/KA3FDO, Lew

Hendrixson/N3IJK, Bettye Tiemeyer/K3VRZ and Holly Bevan/N3BMB. The next testing session at the club will be June 10th. Sherrill Bower, formerly N3ITM, now answers to AA3KS.

73, Holly/N3BMB



Antietam Radio Association

Meetings: First and Third Tuesday of the month at 8 p.m. in the Conference Room at the Washington County Regional Airport, Showalter Road, Hagerstown, Maryland.

Mailing Address: P.O. Box 52, Hagerstown, MD. 21741

Nets: Tuesday 7 p.m. 146.940 MHz.; Wednesday 7 p.m. 447.975 MHz.; Thursday 7 p.m. 147.090 MHz.

Repeaters: 147.09+ and 146.94 -.

Information: Donnie Sue Mulligan/
KB3AOO (301) 582-2984

Donald Marsden/KD3TY redid the logo from an older one made by another member of ARA some time ago. It looks very nice at the top of this column. Thank you, Don! And thanks to John Queen, the editor of *AutoCall*, for using this logo. It makes the whole column look much better, don't you think?

Jim Fisher/KD3O made an interesting presentation of Packet on April 18 to a room full of hams. Jim is a wonderful speaker and we picked up quite a lot of tidbits about packet, plus it was FUN. Thank you, Jim, for the lessons and for making learning more about packet worthwhile.

Our sympathies go out to Bette Whicher/KA3PQO on the death of her son, Alan Whicher in the terrible Oklahoma bombing on Wednesday, April 19, 1995 at the Alfred P. Murrah Federal Building, Oklahoma City. Alan was a U.S. Secret Service special agent, had guarded dignitaries from

Pope John Paul II to President Clinton, with whom Alan Whicher had jogged. He was 40 years-old, left a wife, Pam, and their three children. All our thoughts are with the Alan Whicher family and friends.

Congratulations to all those that took, passed and/or upgraded on the exams given at Hagerstown Junior College on April 30.

It's almost time for the ARA FAMILY OUTING on June 4, at Cowans Gap State Park in Pennsylvania. If you haven't sent in the form from QRN or called the Amateur Radio Store in Hagerstown at (301) 416-8079 or (301) 714-0688 and asked for Ellen/N3MZA or Page/WA3EOP, do so now. Should be a lot of fun with all the table games, horse shoes, volley ball, three-legged races, EATS, etc. Hope to see you there!

And, HAPPY BIRTHDAY to Joshua Cripe, son of Don/KE3MM and Sally Jo Cripe/N3MYZ, on his third birthday, June 4.

June 24 and 25 will be an ARRL Field Day. Jim Dula/N3PMP is acting as Operations Coordinator to make this year's Field Day better. Whether you are a "fist" or just like to "jawbone", there's a spot for you at this year's Field Day, held on the Potomac Edison Office grounds, Downsville Pike. Join in, come out for the 24-hour contest and have fun.

The ARA was asked to participate in the Cycle Across Maryland (CAM) beginning on Sunday, July 23 and ending Saturday, July 29. The tour will start in Oakland, Maryland and finish at Johns Hopkins University in Baltimore. The tour plans on using 2 meter amateur radio for communications, operating simplex with repeater back-up, if necessary.

Enjoy the summer!

73, Donnie Sue/KB3AOO



Arlington Amateur Radio Club

Meeting: Third Tuesday of each month, 7:30 P.M., Red Cross building, 4333 Arlington Blvd., Arlington, VA. Nonmembers welcome!
Net: Tuesdays (except meeting nights), 7:30 P.M., 144.87/145.47 Mhz FM.

Information: Mike Callaham, NW3V @ WA3TAI, callaham@CapAccess.org, (703) 241-5618.

LLBBS: Area 1 of Beachcomber Joe's BBS (703) 243-0024.

APRIL MEETING

The April meeting was attended by President Mike - NW3V, Vice President Dennis - W4PWF, Treasurer Tom - N4BYF, Members Gerry - N4GA, Joe - AB4RA, Walt - W4NRO, George - KR4MU, and visitors Alan - KD4FRK, Walt - KE4NFF/AG, Mary - KA1KWP, Frances - KD4AXW, and Michael Milligan.

Planning for Field Day, to be conducted jointly with the Alexandria ARC in Ft. Ward Park, continued. Mike - NW3V and Joe - AB4RA agreed to set up a CW position nominally for 40m but also usable on other bands. Mike would furnish a 40m dipole, transceiver, and antenna tuner. The position can use Joe's 286; Mike will try to build the CW keyer interface described in the WR9R logging software documentation for the 286's RS232C serial port. We expect that Alexandria ARC members who usually are band captains will volunteer again. Other details, such as food purchasing and preparation to earn the bonus points (publicizing the operation, copying the ARRL Bulletin, a satellite QSO, packet QSOs, etc.) were discussed. [P.S.: The Field Day rules are in QST, May 1995, pp. 133-134, and now also in the ARRL's ASCII file FD.RLS which has been uploaded to AB4RA's LLBBS, (703) 243-0024.]

Continued next page

Tom - N4BYF reported on the Red Cross's planning for the Crystal City 10K Run on May 21. He said that there will be a need to cover six positions (mileposts) and that ten ops would be needed. The starting gun is 0800L, but ops should be in position by 0700L, at which time access to the course will be closed by police. Eight operators volunteered for this duty: KD4FRK, NW3V, KA1KWP, KD4AXW, KR4MU, AB4RA, and N4BYF (for himself and W4LMW).

Tom - N4BYF elaborated on the invitation from Ronnie - AB4WG, Communications Officer of the Red Cross's Emergency Communications Center on Gatehouse Road in Merrifield, to visit the ECC. Mike - NW3V will consult with Activities Chairman Allen - KE4OWH to decide whether the visit should be the program of a special meeting or of a regular meeting; if the latter, it will have to be in July or later, because the May and June meetings will be occupied with planning for Field Day.

Alan - KD4FRK asked for volunteers to help conduct a Radio Merit Badge course for Boy Scouts on April 29 at the Claude Moore Park (NOT the Claude Moore Farm) in Old Sterling, VA, near Dulles International Airport. The effort would involve a series of one-hour sessions introducing Boy Scouts to principles of radio, radio broadcasting (including shortwave), and amateur radio, using audiovisual aids and hands-on activities. He said that Paul - AB4CY of the Vienna Wireless Society had prepared audiovisual aids and that one could contact Alan - KD4FRK or Paul - AB4CY for more information or to volunteer. Dennis - W4PWF noted that the ARRL has Radio Merit Badge info packs available.

DANGER FROM ABOVE

The planned program was to include the viewing of a copy of the ARRL videotape, Introduction to Packet Radio, but we couldn't locate the videocassette that we thought had been left in the W4WVP shack. We did view the second video on the program: Danger From Above, a

documentary and instructional video made to warn TV news crews who operate vans with telescoping masts (for microwave antennas) about the importance of surveying the area to make sure that the van is clear of power lines before extending the telescoping mast. It also tells what to do, and what not to do, in case the mast does contact a power line. The what-not-to-do part was illustrated graphically by footage of a fatal accident that occurred in Alexandria, VA. The videocassette was a copy, by AB4RA, of one loaned to the club by Al - KK4XB, an NBC news crewman. Somberly, we adjourned and went home.

73 de Mike - NW3V



Baltimore Amateur Radio Club

Meetings: Twice monthly, 7:30 pm at Dulaney High School (Padonia Road, Timonium MD) on First Wednesday of the month: business meeting. On the third Wednesday of the month: programming.

Repeaters: W3FT/RPTR 146.67(-), 224.24 (-) (no PL) and 449.625(-)(PL 107.2) Note: two meter/220 Mhz. are linked.

Club Net: Every Tuesday night at 8:30 pm on 146.67/224.24.

Club BBS: (410) 665-7646 (min. 2400 baud)

Club Voice Mail/Info: (410) HAMTALK

Hamfests: Greater Baltimore Hamboree & Computerfest/Maryland State ARRL Convention information: (410) HAM-FEST or (800) HAM-FEST.

Mailing: BARC, Inc.; P.O. BOX 120, Reisterstown MD 21136

Summer is near, and so is our annual change to the alternate meeting location. The first club meeting (business meeting) of the month, on June 7th, should be at the Dulaney Senior High School as listed in the club header above. (Note: please make a special effort to attend the business meeting as elections will be held at that meeting.) How-

ever, the school will be closing for the summer soon and the program meeting for June may be held at the summer location, the Towson Presbyterian Church on Chesapeake Avenue. Check the club net or voice mail system before the meetings for more current information regarding the change in meeting location.

Ellis Eisen, N3IDV, took about 35 club members on a tour of the light rail system in Baltimore on April 19th, the night of the regularly scheduled program meeting. The tour began with a free ride via light rail to the light rail control center near North Avenue. We passed a number of interesting facilities on the way, including the streetcar museum and several old rail terminals along the rail bed. Once at the rail center, we were treated to a lecture about the technical aspects of the system (including signaling systems, propulsion, and communications) followed by a tour of the electronics shop, the control/dispatch center, and the maintenance shed. We were also welcomed by the evening shift supervisor, who informed us that Ellis was scheduled to receive an employee award the following day. Congratulations to Ellis, and thanks for a great tour.

Those of you who are meteorologically inclined, take note: the June program meeting will feature Jerry Johnson from Maryland Radio Center demonstrating and speaking about the Weather Node technology. This windows-based software package allows the reception of a new (still experimental?) broadcast service from the National Weather Service which provides satellite imagery, national weather information (with graphics), weather alerts, and more. The package uses a scanner or receiver (amateur radio receivers can be used) to tune in the broadcast information, which is then patched into a personal computer for storage and/or display. Come join us and learn more about this colorful and useful application of technology.

At the April business meeting Bob, WB3HNV, announced his "retirement" from the club public service chair. We would like to take this opportu-

nity to thank Bob for his years of leadership and hard work in the public service arena. Notice was given at the same meeting that Bruce, W3UWV, is stepping down from the program chair and Modulator editor positions. Thanks to Bruce for years of fine programs like the rail tour and for a dependably informative and interesting newsletter.

... 73 de N3IVO/Rosie



Central Maryland Amateur Radio Club

Meetings: 4th Friday of the month at 7:30pm, at the New Carrollton Municipal Center, 6016 Princess Garden Parkway, New Carrollton, MD (no meeting in December).

Repeater: N3EZD/R 145.230 MHz

Net: Every Tuesday, 9:30pm, 145.230 MHz repeater.

Mailing Address: Central Maryland Amateur Radio Club, 6016 Princess Garden Parkway, New Carrollton, MD 20784.

Information: Oscar Ramsey, Pres - NV3G, (301) 262-3392.

CMARC is now an ARRL Affiliated Club. We hope to have an official ceremony and celebration at our May meeting with the Maryland/DC Section Manager (Bill Howard) and Affiliated Club Coordinator (Tony Young) in attendance.

Items discussed at CMARC's April meeting, included plans for Field Day, club participation in the BRATS Maryland Hamfest and the status of repeater upgrade plans. The club voted to commit to running a food booth at the Greenbelt Labor Day Festival, in addition to providing communications for the Greenbelt Labor Day Parade. Left open for further consideration was the possibility of having a mobile "special event" station as a float in the parade, which would also operate in a fixed location near the Festival grounds the afternoon after the parade.

Continued next page

Randy/WB5LPN volunteered to coordinate this fall's novice/technician license class. Tony/N3JWT offered to help Randy secure a location for the class. It is hoped that all the critical arrangements will be made before Field Day, so that the class can be advertised to visitors at our Field Day site.

Several club members served as communicators in the Christmas in April housing rehabilitation project on April 29th. Serving were Jim/KD3JA, Tony/N3JWT, Lester/N3NCH, Chuck/N3ODK and Leah/N3RLN.

Errata: Last month's newsletter article stated that CMARC's treasurer, Chuck/N3ODK, resigned his position effective CMARC's April meeting. The article should have said that CMARC's secretary, Chuck/N3ODK, resigned ... CMARC's new secretary is Darrell/N3IBO. CMARC's treasurer has been and continues to be Leah/N3RLN.

73 de Jim/KD3JA

AMSAT, continued from page 35

electronic and printed forms. Also, we have a nice net control checksheet that helps one keep track of everything in real time. A number of NCS tips are published by the ARRL as well.

Remember, the primary purpose of any Net Control Station is **NOT** to be a know-it-all and do all the talking, but to keep the net flowing in an orderly fashion. If you think you might like more information about performing this special service then please contact me. The thrill of acting as an NCS is something every amateur radio operator should enjoy sometime!

73, Pat WD8LAQ
AMSAT Area Coordinator



Columbia Amateur Radio Association

Meeting: 4th Tuesday of the month at 7:30 p.m., at the Kiwanis Building at the Kiwanis/Wallace Park off of Rte. 144, Ellicott City.

Net: 147.135 repater at 8:30 p.m. each Tuesday except for meeting nights.

Youth net: 147.135 repeater at 7:30 p.m. every Thursday.

Repeaters: 147.735/147.135 (cross-linked to 222.32/223.92); 147.990/147.390 (direct dial 911); 222.32/223.92 (cross-linked to 147.735/147.135); and 443.275/448.275.

Information: Bob Scarburgh, Pres - KC3EV, (410)465-2421.

Mailing: P.O. Box 911, Columbia, MD 21044

Our February meeting featured Jerry Johnson of the Maryland Radio Center, who demonstrated his Weather Max Kit. Weather Max lets you receive all kinds of weather information from the NOAA station in Sterling, VA, and turn it into great displays on your computer. Members attending were given the opportunity to purchase the kit at a discount.

Bill Howard-WB3V, the ARRL section manager for MD/DC, was our speaker at the March meeting. He talked about the important role clubs play in the 'ham' hobby, and then gave a brief but concise overview of his responsibilities as section manager as well as those of the other officials of the section.

The club's field day committee is off to a running start. It has already met a few times and making plans. Things being worked on: new antenna designs, adjustments to the generators, planning a picnic to coincide with the event, just to name a few.

73's, Jean Williams-KB3AOT



Department of State Voice of America Amateur Radio Clubs

Meeting: 1st Monday at noon for DOSARC at Main State Rm. 1207. (2nd Monday when the 1st Monday is a federal holiday). 1st Thursday at noon for VOA at Voice of America building Rm. 7139.

Nets: 2 Meter-Thursday Evenings, 8:30 PM local Washington time 145.19MHz, HF on Sunday Mornings 1500Z- 1530Z (UTC) 14316 kHz, 1530Z - 1600Z (UTC), 21416 kHz, 1600Z - 1630Z (UTC) - 28416 kHz.

Repeater: 2 Meter - W3DOS - open - 145.190 out / 144.690 in.

Information: John Swafford W4HU (703) 536-9537, or Dex Anderson W4KM (202) 619-2597.

Much continues to be happening this year in the Foreign Service clubs of W3DOS and K3VOA. New officers continue to work several jobs and recently the W3DOS club members enjoyed impromptu leadership while their President was sunning himself in the South Pacific and the Secretary was skiing in Eastern Europe. At least that was the rumor spreading around, and that wishful thinking sounds good.

The Sixteenth Annual Foreign Service Amateur Radio Banquet was held on May 4th at the Fort Myer Officer's Club, cosponsored by the Department of State and Voice of America amateur radio clubs. Other clubs participating were the Pentagon Amateur Radio club and the Capitol Hill Amateur Radio club.

Jack Kelleher was the speaker, and he gave an excellent rundown on the satellite communications in terms that laymen like this writer can understand. Jack has an impressive track record in this field. He is president of the Society of Wireless Pioneers, and also Vice President of The Quarter Century Wireless Association.

Weekly nets continue to be good in spite of propagation difficulties. Thursday evening 2 Meter communications cover the Washington area, while the overseas conversations take place Sunday mornings. Fellow amateurs wishing to participate are invited to do so. Times and frequencies are listed in the club header.

W3DOS has been operating a Two Meter repeater for many years in Washington. The site is on top of the U. S. Department of State building overlooking the Potomac near the Lincoln Memorial.

As some persons may recall, our repeater was not working last year due to a bad transformer. While that was being repaired, a back-up repeater was activated by K3VOA at their Voice of America office building near the Capitol.

Since January the repeater has been operating at the U.S. Department of State building. This event shows how two amateur radio teams work together. This W3DOS open repeater provides solid coverage of downtown D.C. and nearby Virginia.

Examinations will be coming up again on Saturday morning July 15th. The tests are held in the George Washington University School of Engineering building near Main State. All who wish to pursue their upgrades are encouraged to attend.

Last January our W3DOS / GWU VE team conducted a similar Saturday morning session to upgrade Amateur Radio licenses. Sixteen exams were given to eight candidates, and several passing grades were awarded for Tech, Tech plus, and Advanced. One person graduated from Tech to Extra !!

That's it for now, but remember to attend the W3DOS monthly meetings on the first Monday and K3VOA on the first Thursday. Both are held over the noon hour with good information exchange.



Fauquier Amateur Radio Association

Meeting: 7:30 p.m., Second Tuesday of the month except July, August and December. Shadow Lawn Recreation Center, Warrenton VA. Next meeting, June 13, 1995.

Breakfast: Last Saturday of the month at Big Boy (next to HoJo's) Warrenton, VA. 7:30-9:00 a.m.

Net: Every Wednesday, 9:00 p.m., 147.165 Mhz NZ4N Repeater.

Packet: FARA7 node 145.070 Mhz with direct connect to FBBS9 Bulletin Board 145.090 MHz, FARA9 node 145.090 MHz.

Repeater: NZ4N/R 147.165 Mhz (+0.600 Mhz).

Newsletter: TOROID, Monthly. (A complimentary issue is usually available from Warrenton Radio Shack).

Information: Don, WY2V, (703)347-5745.

The May meeting featured Chuck Gould, N4YXW, who operates the FARA packet radio digipeater and BBS. He described the operation and features of the system, and the equipment used to provide the capability. He now has the HF link operating full-time.

On May 3rd, Neil Spokes AB4YK, headed up the VEC exam session for the club. Results weren't in as of the publishing deadline, but congratulations to those who passed.

The June meeting will focus on Field Day (would any other topic have even the slimmest chance?). WY2V has volunteered to take over the chairmanship from Frank, who can't make it this year after all (and our CW tent will miss him too).

Don WY2V, Larry K4LLQ, and Mike KA4RRU went to Dayton and reported good weather and a great time. Don even won a Yaesu FT 530. Since this was his first trip I think he's probably hooked for life!

We'll be taking the Summer break after Field Day. There will be no club meetings in July and August. The Saturday breakfasts will continue though, as will the Wednesday night nets.

Woody, KC6NOT, is always looking for TOROID newsletter articles and FOR SALE/WANTED ads to include. Give him a call at (703) 341-4263 if you have anything you'd like to contribute or list for sale.

73's, Mark, KD6AKC



Goddard Amateur Radio Club, Inc.

Meeting: Third Wednesday of each month at 5:00 p.m. at the Goddard Radio Club Station, Soil Conservation Road, Greenbelt, Maryland, across from the Soil Conservation Road gate of the Goddard Space Flight Center. This road may be accessed from either Route 193, Greenbelt Road, or Powder Mill Road.

Repeater: 146.835 MHz.

Net: Information net is held every Thursday evening at 9:00 p.m. local time. All amateur radio operators are welcomed. Net Control is Don Bennett, W3MIK.

Information: Jim Blackwell, N3KWU, (301) 286-4534; Vikki Gigante, KA3PVS, (301) 249-2609.

We will be at several local hamfests including the Memorial Day Hamfest on the Sunday of Memorial weekend at the Howard County Fairgrounds, Manassas Sunday, June 4, Hagerstown Sunday, May 14, Frederick, Sunday, June 18 and BRATS, Sunday, July 9 (Timonium).

As this issue is going to print, we are still waiting the outcome of the battle of the missions. It will either be STS-71, Atlantis, Mir Docking, Spacelab with Mir, Pad A, in early June or STS-70, Discovery, TDRS-G, Pad B, June 22, 1995. These will both be SAREX Missions but it is as

yet undecided which is going to be first. They will come quickly and close together so we will be busy at the club and could use help if you are interested. Please contact Vikki at (301) 249-2609 if you are willing to help.

Field Day Preparations are in full swing. It will be held at the Goddard Visitors' Center on Soil Conservation Service Road. If you would like to join us, contact Vikki at (301) 249-2609. We wish all the clubs lots of luck with field day!

Happy Fathers' Day to all!

Vikki, KA3PVS



Green Mountain Repeater Association

Meetings: Board of Directors, Last Monday of each month.

Repeaters: KD3VR-146.61 (Cheverly), K3GXF-146.88 (Greenbelt).

Luncheon: First Saturday of each month at the Fountain Cafe, in the Laurel Shopping Center Mall, US Route 1 (Baltimore Ave.) and Cherry Lane. Starts at 11:30 AM.

Mailing: GMRA, P.O. Box 429, Riverdale, MD 20737

Information: Boyd Nelson - KZ3Z (301) 434-0934

GMRA held its regular monthly luncheon meeting at the Laurel Shopping Center Mall on Saturday, April 1, 1995. What a great turnout of members, relatives and friends. C.T. - K3GXF and his wife Sue - N3RWI counted a total of 44 at the tables. We aren't sure that may be a record, but it's getting bigger and better all the time.

The Board of Director's meeting was held on Monday March 27, 1995 at the QTH of N5SJZ, 2nd Vice President of GMRA. Some of the business discussions included repeater antenna replacements

and the possible donations of any electronic equipment by members as fund raisers for that cause. The electronic equipment could be sold at hamfests to help defray costs of the purchase and installation of new antennas at both repeater sites. Contact KD3VR, Joe Nunemaker at (301) 577-3749, evenings.

Joe, KD3VR, set up a meeting on Thursday, April 6, 7:00 P.M. for the repeater control operators. The timing was perfect for this very instructional meeting. There is so much to learn about the different programming procedures and sequences. Also since the new membership booklets have been mailed to members, there is much to know about auto-patch programming.

Considering the need for new antennas at both repeater sites this year, the next project in the near future will be the interconnecting cables to the repeater components at the Cheverly site. Hard line cables to components and the Bird watt meter were accomplished at the Greenbelt site and this will be done also at Cheverly. This made a remarkable difference in repeater operation and performance.

The new membership package, including the booklet, autopatch information and updated by-laws of GMRA was very nicely done. We, as members would like to applaud the Officers and Board of Directors for a job well done. Don't forget, GMRA has new caps embroidered with your call sign and the association logo. These caps are selling for \$10, three of which goes to enhance the new antenna fund. Come to the monthly lunch socials and bring a new prospective member.

73's from Ken Easton N3HLY

Remember, the deadline for ALL submissions to Auto Call is the 1st day of the month prior to the month of publication!!



Herndon Repeater Group

Membership Info: HRG, P.O. Box 5073,
Herndon, VA 22070-1964

Repeater: N4FSC/N4FXP. 145.31

BBSHRG: (N4WJN) 145.03

Weekly Net: Mondays @ 9:00 PM

The Herndon Repeater Group held a "Fox Hunt" on Sunday, April 23 in Northern Virginia. Bill, N4WJN, was the fox and he began transmitting at 1 PM. Congratulations to Craig, KD6CRD, who was the first participant to find Bill's secret location. Craig has now been the first person to locate the transmitter during HRG's hunts twice. He earns the right to be the fox at our next Fox Hunt. After the event, participants and other HRG members met at a local restaurant to exchange information and to socialize. Listen to the net over the summer to find out the time and date of HRG's next Fox Hunt.

HRG is also preparing for Field Day '95. On Sunday, May 21st, Field Day participants met at the Eastern Loudoun Regional Library in Sterling to learn new skills and set up a plan of action for this year's event. Our location again this year will be Lake Fairfax Park in Reston, VA on the 24th and 25th of June.

Anyone interested in joining us for Field Day or having any equipment which HRG could use should contact Nick, KD6ADY, or check in to our Monday night nets as the weekend approaches. CW operators to work the wee hours are always needed.

Anyone interested in Amateur Radio or becoming a Ham is invited to join us at the site which is located off Route 7 and Baron Cameron at Lake Fairfax Park. Follow the HRG signs to our site. Hams and non-hams are invited to join us for a weekend of fun and information about our hobby. Hope to see you there !

The HRG Youth Net is held on the N4FSC/N4FXP repeater every Wednesday evening at 7:00 PM. All hams under 18 are encouraged to check in to the net. If you know a young person who might be interested in ham radio, help them check in to the net. For more information about the Youth Net, contact David, KD4YIJ.

Net Control Operator positions are available later this summer to anyone who is interested. If you are interested, contact Terry, AB4UM. Terry will provide you with a script and set up a date for net control.

73- Mike KD4MTW



Laurel Amateur Radio Club

A Volunteer Examiner
Coordinator

Meetings: 4th Wednesday of each month (except November & December) 7:30pm at 384 Main Street, Laurel Md.

Social: 2nd Wednesday of each month, except December (Call for directions).

Nets: 1st & 3rd & 5th Wednesdays, 8:30pm, on 147.225+, no tone.

Mail: P. O. Box 3039, Laurel, MD 20709-0039

Exams: 3rd Saturday of each month, to pre-register contact: John/WB3GXW (301) 572-5124 after 6 P.M.

Information: Jim/WI3N (301) 725-6829 or Pud/W3DQI (301) 498-6293.

On 15 April the first Laurel Amateur Radio Club VE session at the new location (384 Main Street, Laurel) was conducted for thirty-five individuals.

With only a few procedural changes, the new site proved to be an excellent location for conducting the exam.

The next VE exam session will be on Saturday, 20 May. Bob/WB3KXJ, Laurel VEC Coordinator, reported that after the VE exam on Saturday, he

filed the results to the FCC and on the following Monday morning one of the examinees called the FCC and was able learn what callsign he had been issued. The electronic filing of the results has really improved the turn-around time on getting licenses.

On 22 April, the LARC members provided the communications for the Laurel 10K Run. Fourteen members were positioned around the 6.2 mile course to monitor the run.

Dick/N3MJA, Paul/N3NYM and John/N3GXA all reported that the event went smoothly and no emergencies occurred.

The Club is conducting a Special Event on 7 May to celebrate the 25th anniversary of the Montpelier Festival. Operations will be conducted from the Carriage House adjacent to the Montpelier Mansion. The callsign for the Event will be WI3N.

Howard/K3IOG is coordinating the Club's support for the Laurel Main Street Festival on 13 May. This is an annual community event which has attracted thousands from the Laurel area. Stop by the LARC booth and learn about the other activities of the Club.

BTW — Congratulations to Tim/N3TZH who recently upgraded to General Class and to new YL Carolyn Creel/N3UXZ (daughter of John/WB3GXW).

73 de Roger/N3MIJ



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The Maryland Apple Dumpling Radio Amateur Society, Inc.

Meetings: 2nd and 4th Thursdays - 7:00 P.M.
NBC Building - WKYS Conference Room,
4001 Nebraska Avenue, Washington, DC.

Nets: 1st and 3rd Thursdays at 8:30 P.M. on
145.45 MHz.

Repeaters: 444.100 PL-2/449.100 MHz,
145.45/144.85 MHz.

Mailing: P. O. Box 2468, Wheaton, MD 20902

Information: Hani Raad - AA3EI (202) 223-
3925, Larry Ziecheck - N3GKZ (301) 984-
6113, Jean Blacik - N3PLC (301) 984-6113.

MADRAS members and guests enjoyed listening to Hugh Turnbull W3ABC, who is the Atlantic Division Director, give an excellent presentation on what is happening with amateurs around the area.

The Atlantic division clubs are very active within the community. Hugh assures us that he could attend a different function every day of the week and not visit the same club twice. We find it very rewarding to have the caliber of director we have in Hugh. Keep up the good work - it is most appreciated.

The club wants to thank Scott Standiford W3YTW, for the interesting talk on "Commercial Satellites" which he gave at our April 27th meeting. He also was able to give us some information on high-definition television. Scott had just returned from a meeting out west and was able to fill us in on what was happening, technology wise, with this new innovation.

MADRAS has a home Page on World Wide Web. Here is how you can reach us: <http://mvhsl.mbhs.edu/fwright/MADRAS.html>.

Field Day '95 is here once again. MADRAS members have been preparing for the big event since March when we had our first meeting. Anyone interested in dropping by for a cup of coffee or a soda and some snacks, or even staying to operate with us, is most welcome.

We will be set up at the Richmond Shopping Center, in front of Lewis Medical Instruments, 11800 Coakley Circle, Rockville, Maryland 20852.

MADRAS also extends best wishes to all the other clubs in the area and hopes they have their most successful field day ever. We'll be putting forth our best effort and hope to have a good time doing it.

73's Jean - N3PLC



Metropolitan Communications Network Radio Club, Inc.

Meetings: Quarterly, the second Sunday of the month. Next meeting Sunday June 11, 1995 at the home QTH of KA3LJR, Chris Kushay. Repeater: N3AGB, 52.250 MHz in, 53.250 MHz out; Accessible on 147.36 MHz.

On the Air: Saturdays at 2000 hours local time. Sunday morning coffee net at 50.4 MHz at 0900 hours.

Mailing: Mary A. Milligan, KA1KWP, 6608 N. 18th St., Arlington, VA. 22205.

Information: Mary A. Milligan, KA1KWP (703) 533-0650

The second Quarterly meeting will be held, Sunday, June 11, 1995 at the QTH of Chris, KA3LJR at 14:00 hours.

Our youngest member, Frances Milligan, KD4AXW, daughter of Bob (KI4MB) and Mary (KA1KWP) had a most unusual Spring Break vacation, having gone with her French Class to

England, France, Italy, Monaco and Switzerland.

Membership grew by two - Jim Smith, KO4JA and Lenny Schachter, N3RPQ. Welcome to the world of six meters and hope we hear you on the air.

Lenny furnished communications at the Boy Scout Marathon in March in D.C. Lenny and W. Joe Saunders, Jr., K3UAL, volunteered and furnished communications at the April 8th Cherry Blossom Festival. In addition to his Coast Guard activities and work at the Smithsonian Institute, Joe works plenty of DX and participates in a new group "Caribbean Community and Common Market", a group of thirteen countries on twenty meters (14.283). Stanley Brigham, W3TFA, has worked 210 countries. Stan has worked 98 countries on CW on forty meters.

FM NET SATURDAY AT 20:00 HOURS ON THE REPEATER

New check-ins are always welcomed. Lenny, N3RPQ is joining in on a regular basis and keeping us informed on the happening in the D. C. area. Check-ins have increased and are still growing.

Congratulations to Clifford H. Brommer, KA3KEL who recently became a grandfather for the second time with the arrival of his grandson. We also welcome Jeffrey M Bixby, WA3WQF, our newest check-in.

Mary, KA1KWP

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Mount Vernon Amateur Radio Club

Meetings: Second Thursday of each month, 7:30 p.m. (except December) Mt. Vernon Governmental Center 2511 Parker's Lane, Alexandria, VA 22308.

Nets: Every Tuesday at 9:00 p.m. Starts on 2 meters then moves to 10 meters on 28.408.

Repeater: WD4PDP 146.055 input / 146.655 output.

Mailing: Mt. Vernon Amateur Radio Club (MVARC) c/o Joe Salemi KR4CZ, P.O. Box 7234, Alexandria, VA 22307.

Information: John KI4HK, (703) 780-2882 or Julie KD4WSZ, (703) 799-9466 or Packet 145.650 KD4LST-1.

MVARC MEETING HIGHLIGHTS

At the last club meeting Frank Mackey, N4GUS, gave an excellent presentation on repeaters. Frank shared information with us about operation, maintenance, and the behind the scenes planning that is involved. Frank also mentioned possible options that are available to upgrade the MVARC repeater. We look forward to improving the coverage of the club's 146.655 machine, so stay tuned!

MVARC has applied for a club call sign. By the time this goes to press, we should be the proud owners of a brand spanking new call.

HAPPENINGS

The George Washington Parkway 15K run was a complete success for all involved. Many thanks to all of the hams who gave up sleeping in on Sunday, April 23. Those who participated are: Mike, N3PDK, Tom, N4BV, Frank, N4GUS, Joe, KR4CZ, John, KI4HK, Bob, KD4RNE, Chuck, W3HSW, Steve, WB4EEA, Bill, KE4BAE and Bill, KD4CNS.

The clubs breakfast bunch is having a great time on the 4th Saturday of each month. We meet at Denny's, located at route 1 and Lockheed Blvd, Alexandria, Va. The crew starts arriving around 0800 hours. Please try to come by and join us for a cup of coffee, there is plenty to go around.

Field Day is almost here. It is June 24th and 25th at Fort Hunt Park. We will be having great fun as usual.

Just when you thought the bands were safe! That's right, it's the "Splatters" at it again. They will be putting on another Field Day show at the June meeting. A splendid time is guaranteed for all. Dancing, singing and general hoopla. Don't miss it, be there!

Don't forget to come by the MVARC table at the Manassas Hamfest to say hello to the gang.

Take care and 73.....Chris \ KD4LST



National Capitol DX Association

Meetings: Feb, Apr, Jun, Oct and Dec. at a member's home. Contact the Secretary (Rick Murphy, WA1SPT) for details.

On-the-air: Every Sunday at 8:30 PM on the 147.000 repeater. All are welcome!

Information: Brian Bayus-N1KCE (703) 264-1180, Rick Murphy-WA1SPT (703) 280-2637 or Leo Boberschmidt-KA3TGY (301) 946-3738 or N1KCE on the Local DX Cluster or N1KCE@KF4TE.VA.USA.NA.

Well, many of the NCDXA gang have returned from Dayton armed with new ideas, stories of old friends revisited and renewed enthusiasm for amateur radio in its many incarnations. Maybe next year we'll make it out there to find out what all the excitement is about.

Continued next page

Within two weeks after making application (Congratulations to the folks at the FCC) NCDXA received its club callsign, KE4YVI. I suspect that when the Extra "gate" opens for Vanity callsigns, there will be an effort to reduce it by a few characters, but for now we're happy to have it.

We note with regret the passing of Lottie Meyer, XYL of the late Stu Meyer-W2GHK. Those of us who had the opportunity to get to know Lottie while helping her clean out Stu's shack after his death last year are saddened by the loss of one who was in their own way so supportive of amateur radio for many years. Amateur radio will never be quite the same in Vienna, Virginia, now that the Meyers are no longer there.

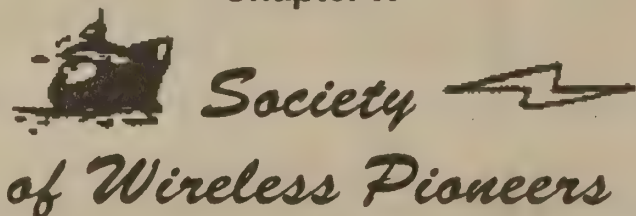
The NCDXA meeting in June will be a joint one with other clubs in the area. If you are not an NCDXA Member and are interested in attending, please give me a call for details.

Again, we wish to extend an invitation to all who are interested in DX or DX related items to join us on the Sunday night meetings on the air, held weekly on the 147.000 repeater at 8:30 local time. Stop by and find out what is going on and enjoy the warm welcome extended to all by Leo-KA3TGY, the Voice of NCDXA.

Until next time.... 73 and Good DX

Brian Bayus-N1KCE, President

Chapter X



THE INTERNATIONAL ORGANIZATION
OF PROFESSIONAL RADIO TELEGRAPHERS

**For Information Call
(703) 536-9537**



North Point FM Association

Meeting: Second Saturday of every month - 10:00 am at Lord Fairfax Community College, Middletown, VA.

Nets: District 1 ARES Net - Sundays at 8:00 PM on 145.21 MHz.

Repeaters: 53.67 / 52.67 - KD4JBY, 145.21 / 144.61 (PL 131.8) - N4RAG, 442.350 / 447.350 (PL 131.8) - KD4JBY 449.075 / 444.075 (PL 146.2) - KB4KRO

Packet: FOAKS - 145.730 (KB2CEV-2) FOAKS4 - 440.950 (KB2CEV-4) WINC - 145.730 (N3NVF-2), ARES D1 - 145.730 & 446.075 (WD4RPV-3) BBSD1 - 145.750 & 446.075 (WD4RPV-5)

Address: P.O. Box 327 - Stephens City, VA 22655

Information: Michelle Cooley - (703) 869-5250

It's been a few months since our last article, and I've got some ground to make up due to that. Hopefully we'll get back into having an article every month.

The NPFMA is proud to announce that our new repeater site is complete. Located just to the southwest of Winchester, this site offers an exciting new location for our 6 meter and 440 repeaters, as well as a location for our node on 2 meters. The site is at an elevation of 2500 feet, and the repeaters that are located at the new site are KD4JBY (53.67) and KB4KRO (449.075). Also at the site is the node WINC on 145.73, in support of SKYWARN and ARES operations. KD4JBY has also considered placing other equipment at the site, including an ATV repeater.

The 6 Meter repeater uses a CAT-1000 controller with a digital voice recorder, with 60 watts at the duplexer and 48 watts at the antenna. The 440 repeater uses an S-Com 7K controller, with 80 watts at the duplexer and 65 watts at the antenna.

The 2 meter node is running 25 watts, and uses a DRSI TNC. The 6 Meter repeater can be accessed on a 2 meter remote base, on 146.595 MHz. Members of the NPFMA may obtain control codes for the 6 Meter repeater from KD4JBY. Future enhancements for the site include a remote base to the 6 Meter repeater on 220 and 440 MHz, and a 440 MHz node on 440.950 MHz in support of the SKYWARN operations. This site currently has back-up DC and AC power, ensuring that the equipment continues to function during power failures. Preliminary coverage studies have shown that the site is able to cover the Harrisonburg area with packet on 145.73, an area left uncovered when FMNET moved off frequency. The site should also provide a path into the Shenandoah Valley from the Northern Virginia area should the FOAKS node go down for some reason.

Tests done on 6 meters and 440 have proved to be as equally impressive. Stations as far away as Pennsylvania have been able to work the KD4JBY machine, and the KB4KRO repeater has been able to adequately cover nearly all of the Northern Shenandoah Valley. The site could not have been made into the outstanding operation it is today without the hard work of KD4JBY, KD4STV, N3NVF, N4VJK, WA2RPX, KQ4TL, N4TBM, KE4NFK, KS4AQ, and especially NB3O.

Members of the NPFMA participated in the Frederick County/Winchester disaster drill, which also served as ARES District 1's SET. The drill was primarily a success, and some weak points were exposed. Mike Baptist (N3NVF) has done a great job as the EC for Frederick County & Winchester, and he has been very instrumental in keeping the local authorities in touch with Amateur Radio. So far, the authorities seem to be most impressed with the capabilities of packet radio.

BBSD1 (145.73) has been operating with no problems for months now, and it appears that the occasional lock-ups that were happening last summer have been remedied. FOAKS (145.73) is also up and operating with no problems noted, in spite of the direct lightning hit it suffered last fall.

FOAKS is the first link in getting notifications of severe weather out to the packet community. Bulletins and routine weather forecasts are sent out from FOAKS to BBSD1 within minutes of being issued.

Sean (WD4RPV) has worked out an agreement with MetroCall to provide telephone pagers to amateur radio operators at a reduced cost. Currently, participants of the program can get a numeric pager with two telephone numbers - 1 for the individual, the other for a county-wide activation - for under \$9 a month. Currently, there are participants in Frederick, Shenandoah, Warren, and Rockingham Counties in Virginia. However, any county in the greater DC and Baltimore area can be served by this program. This would allow an ARES EC to activate his or her ARES group with one phone call. For more information, you can contact Sean on BBSD1, or at (703) 8694374.

The new officers of the NPFMA have taken office, and I'd like to take this opportunity to introduce them:

President - Steve Cuccio (NB3O)
Vice-President - Tom Blicharz (KR4DO)
Secretary - Michelle Cooley
Treasurer - Ruth Anastas
Trustee - Bob Cooley (N4VJK)

Until next month - 73,

Sean - WD4RPV

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Ole Virginia Hams Amateur Radio Club, Inc.

Meetings: Third Monday of the Month (except November), 8:00pm, NOVEC Bldg., 10323 Lomond Dr., Manassas, Va.

Repeaters: WA4FPM 146.970 & 224.660 (linked).

Packet Node: (OVH) 145.030 and 223.540
Bulletin: Every Thursday on the WA4FPM Rptrs at 8:00pm, includes NEWSLINE

Club Info: Harry Vorhauer - W4PVA (703)-369-6050

Mailing address: Ole Va Hams ARC, P.O. Box 1255 Manassas, Va. 22110.

The new Ole Virginia Hams Membership Chairperson Chuck – KE4JWY must step down and is passing the reigns to Matt – KC4ZPM. Thanks go to both of you for volunteering.

The Ole Virginia Hams participate in several Bike rides each year sponsored by the Prince William County Park Authority. One such event occurred on April 8. All went well, with no major mishaps reported. The following OVH hams participated: Matt – KC4ZPM, Charlie – WA4YGI, Milt – N4SN, Irv – KD4DFB, and Harry – W4PVA.

After about nine months (what coincidence) of flawless performance, the OVH packet node quit functioning properly. On Friday, April 28 Butch – W4HJL (that's right BUTCH IS ON PACKET!!) noticed that the node would not allow connects on the 2-meter port. Upon arriving at the site I found the PK-88 TNC on the 2-meter port was in "la-la land". It seemed terminal and would not reset normally, but just to be sure I decided to reset the whole thing, computer and all.

The computer is an old IBM compatible 12Mhz 286 machine. It was then that I discovered that the old MFM hard drive had quit running sometime in the last eight or nine months! I hauled the computer home to check it out. Luckily, Butch had another

MFM hard drive. Fortunately the drive worked well after spending Saturday morning getting it installed, partitioned, and loaded with DOS. (I still got in 13 holes of golf that day.... but my wife had the better game, as usual). Bill – N4WJN lent a hand by picking up a 3.5" floppy drive that we then installed.

The 5.25" drive still works but I mostly use only 3.5" disks these days. Bill and I spent part of Sunday at the node site trying to get the G8BPQ software configured back to its original form. We had bad luck. A few lines in the BPQ configuration file had us chasing a hardware problem that did not exist.

Thinking that we had a bad serial board, (a COM port was not working) Bill took the computer to his house where he had some spare parts. After much effort on Bill's part, our configuration problem was found and tested. Monday evening we reinstalled the node and checked the general health of the three radios, antennas, and feedline.

Bill temporarily provided a PK-88 TNC for the 2-meter port until we could repair/replace the bad TNC. A new PK-88 was purchased May 2 to replace the bad TNC. The old TNC will be repaired for service again. One of the TNC's used by the node is a KPC-4 that has different style connectors on it than the PK-88's. We want all three ports using the same type of TNC. If all the TNC's are the same then all the cables will be the same too. That will make swapping of TNC's and cables easier.

The node failure was not really that bad considering the fact that the node had not had any problem for nine months. You may have noticed the absence over the last eight or nine months, of the constant OVH node problems experienced during the tenure of the previous node Sysop. This is not coincidence. Just before the original (and excellent) OVH Sysop Mike – WV3H (now also G0VEZ) left the area, we added an Un-interruptible Power Supply to the node site. Since the UPS has been on line the old problem of having to constantly go up and reset the computer has

ceased. We must hope our luck continues as we progress through lightning season this year!

One more thing: Due to economic uncertainties, the light at the end of the tunnel will be turned off until further notice!

DON'T FORGET THE OVH HAMFEST JUNE 4TH 1995! C U THERE.

73, Alan - KD4KBX



Prince George's Wireless Association

Meetings: First working Tuesday of each month, 7:30 PM; American Red Cross bldg., 6206 Belcrest Rd, Hyattsville, MD 20782.

Club Station: K3CEZ.

Mailing: 4109 Kennedy St., Hyattsville, MD 20781.

Information: Frank Holton - WA3ZMW (301) 927-1245.

PGWA held it's regular Monthly meeting on Tuesday, April 4, 1995. Frank - WA3ZMW brought the meeting to order at 7:45 P.M. with 5Q% of the membership attending. Minutes of the previous meeting were read by Ken - N3HLY. Frank read incoming correspondence and announcements. After a brief business meeting, an ARRL video tape was shown by Dave, WB3KXL. This tape was demonstrated and narrated by Frank Rutter, KK3AW, who is now a silent key.

The tape dealt with different types of antennas at different configurations, wave lengths and heights. The antennas were made from small pieces of wire and plugged into the top of a table top homemade transmitter. A wand type probe was passed around the parameters of these antennas showing the different radiation patterns and lobes by the changing heterodyne sounds.

Our Club President, WA3ZMW, has donated an NEC - 286 Computer and VGA monitor to the Club to be used for the packet station.

On Tuesday, April 18, 1995, PGWA will hold a packet radio learning session for Club members and guests. Dave, WB3KXL is our volunteer instructor. Please come.

PGWA will be participating in the Annual "Crop Walk" for hunger throughout the world. The event takes place the second Sunday of May at the First United Methodist Church of Hyattsville located at the corner of Belcrest Road and Queens Chapel Road across from the Hyattsville, Fire House. Club members will act as communicators, on 146.88 repeater, along the three different walking and jogging routes. This starts at 1:00 P.M. at the west side parking area. Refreshments will be served.

Recently, high winds had caused the Cushcraft A3S beam to move as the wind would blow. This beam is used by PGWA Club Station K3CEZ and is located on the roof of the Hyattsville Chapter of the American Red Cross Bldg. on Belcrest Road. At first we thought the brake had broken loose but after Charles KA3COT, and Ken N3HLY, inspected the rotator and mast that holds the beam, we found some tightening up of the chimney mounts was all that was needed. A sigh of relief was allowed.

73's Ken Easton N3HLY

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Quarter Century Wireless Assn. Shenandoah Valley Chapter

Meetings: Third Wednesday of odd-numbered months, at 12:30 PM; Carper's Valley Golf Club, 1401 Millwood Pike (Route 50 East), Winchester, VA; reservations suggested.

Information: Perry F. Crabill, Jr., W3HQX; 703-662-7526 Mailing Address: 225 Milam Drive, Winchester, VA, 22602249-2609.

Seventeen members and guests attended the meeting of QCWA Chapter No. 137 at Carper's Valley Golf Club on Route 50 east of Winchester, Virginia on March 15, 1995. A social period at 12:30 PM was followed by a buffet luncheon at 1:00 PM. The business meeting that followed at 1:45 PM was opened by President Walter Johnson, WA3HVU.

ARRL Roanoke Division Director John Kanode, N4MM, advised that the Roanoke Division Newsletter would be mailed shortly. He displayed a copy of the DXCC Yearbook for 1994. Vanity call signs were a hot topic at the ARRL seminar at the recent hamfest in Charlotte, North Carolina. Full details will be published in the April issue of QST. January's ARRL Board meeting was held in San Antonio, and was a productive session. Some of the 2.4 GHz frequencies were salvaged; more fights for amateur frequencies can be expected.

Perry Crabill reported that member Charlie Curtis, K4LWG, was now allowed to drive short distances. He would have attended today's meeting, except for a conflict with a doctor's appointment. Charlie planned to be at next week's Lunch Bunch, if at all possible.

There was no new business or old business. Our speaker was Ed Rich, K3THD, who talked about emergency communications systems. The

Association of Public Safety Communications International is telling Emergency Services organizations at the city, county, and state government levels that cellular telephone service gives emergency communications a new dimension. Cellular was used in California during the Green Meadow fire for evacuation and backup; also during the Iowa floods two years ago. Certain problems cropped up, including wet phones, dead batteries with no recharging facilities, and misuse of channels.

Cellular is still considered useful, but a command network is needed for overall management. Hams used to be able to fill in, as during the Johnstown flood some years ago. Virginia now has an emergency organization manned 24 hours a day, with regional and county Directors of Emergency Service; Tom Owens has the post for Frederick County, Virginia. The only formal amateur organization is ARES, considered a second-hand operation.

Last August Ed bought a 1974 ambulance which he is converting into a mobile communications center. It will be rewired and painted, and equipped with VHF equipment for fire, police, emergency services, aircraft, marine, and military channels. It will also have amateur radio packet and 75 meter capabilities and two cellular phones. Solar panels can provide 100 watts of 12-volt DC power, and there will be a generator. He hopes to have it on the road by June.

After Ed's talk, and before adjourning, Walt Johnson encouraged everyone to recruit new members for the Chapter, and to call his attention to any program possibilities. He announced that the next meeting would be on Wednesday, May 17, at Carper's Valley at 12:30 PM. Ed Helvey, WA2FMT, will talk about INTERNET at that meeting. Ed and Joan Rich volunteered to present a program on stained glass in July. The meeting adjourned at 2:30 PM.

Perry Crabill, W3HQX - Secretary/Treasurer



Southern Maryland Amateur Radio Club

Meetings: 2nd Friday of each month at 1930 at the PG County Police, Clinton Station, 6707 Groverton Drive, Clinton, Maryland.

Nets: Tuesday at 2000 on 147.15+ Repeater; Wednesday at 2000 on 1.865 (\pm QRM); Thursday at 2000 on 28.447 USB.

Repeater: WA3YUV/R 147.15+, Cheltenham, Md. Autopatch to 911.

Mailing Address: P.O. Box 273, Cheltenham, Md, 20623.

Information: Vic (WA3YUV) & Linda (KA3VNI), (301) 888-1388.

SMARC members have continued their public service activities over the past month. A number of members provided much needed communication services for the Christmas in April program on Saturday, April 29th. Members traveled throughout PG county providing radio links to the Christmas in April central coordinating operation. If you hadn't heard, Christmas in April is a program where volunteers and businesses join together to repair the houses of less fortunate residents.

Our thanks to George, KA3KIF, for his untiring efforts over the past year arranging and preparing for our participation again this year. As if that wasn't enough, the next day, Sunday, was the March of Dimes Walk-a-Thon event in Waldorf. SMARC volunteers were there bright and early but so was mother nature. A rather exciting thunderstorm followed by steady rain proved too much for the event. Nevertheless SMARC was ready to help.

A special thanks to all of you that participated in these events, and to Ray, WI3A, for coordinating the participants of the Walk-a-Thon. All of the participants seemed to find that this was a real worthwhile and satisfying aspect of Amateur Radio.

Make sure that you make a special note to attend our June meeting. Arrangements are being made to have the PEPCO electric car available for inspection and trial runs. This should be a great opportunity to check-out this emerging technology.

Isn't it amazing how fast time flies? It has already been a year since you last paid your dues. So while you think of it, drop a check in the mail and you will be good for another year. Let's continue supporting the good work of the SMARC.

Field Day is rapidly approaching. Several members have expressed an interest in having a club event again this year. We are not able to use the site we used in prior years. We are still looking for suggestions for locations and activities during this event. Give Ray a call with your ideas.

Planning continues for a special SMARC event at Cobb Island in October, commemorating the first voice transmission. Keep tuned for details as they develop.

Preparations continue for the return of the SMARC training courses. We are accepting registration for our upcoming Novice, Technician, and now, General classes to be held in the fall. Give Ray, WI3A, a call on the repeater or at 301-894-0606 for additional information.

Our best wishes go to George, KA3KIF, for a full and speedy recovery from his recent emergency hospitalization. I knew that George was feeling better when I stopped to visit with him at the hospital and offered to bring him a HT so he could stay in touch with the rest of the world, but he refused. It seemed that there was some concern that the guy in the next bed might light up like a Christmas tree with a transmitter so close to his new pacemaker. Good thinking, George!

And that is the big news from southern Maryland. Enjoy the nice weather, be careful, and we will see you next month.

73, Greg - WA3FSC



Sterling Park Amateur Radio Club

Meetings: 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.

Mailing: Call Box 599, Sterling, VA 20167.

Information: Forrest Snyder, N4UTY (Pres.)
430-4149, W. T. "Red" Free, W3FTG (PIO)
709-0896.

Club members are sharpening their pencils and honing their contest QSO copying skills as Field Day approaches. Activity will again be at the edge of the baseball field at Park View High School in Sterling. Those light towers make great antenna supports, don't they? For info, contact Steve KOØU, who is coordinating the club's efforts.

The final count was 55 logs received for the Virginia QSO Party, just about equal to last year. That was excellent, considering how bad propagation was, and the Murphy action which hit several of the CVCC crew. Winning scores will be posted at the Manassas Hamfest the first weekend in June. Plaques and certificates for winners will follow.

Club members should by now have received their new membership rosters. If not, see Dick W4LMJ at Field Day or the next club meeting for your copy.

Meanwhile, the club has received its own club call sign, KE4ZGC. Not exactly a "world beater" on CW, but O.K. phonetically. Actually, plans are being made to exchange it for another as soon as the first gateway for vanity calls opens up.

Finally, the Club has been asked to handle the QSL cards for a future SAREX, STS-70, which is due up in late June. Two hams are scheduled to be on board, and both voice and packet operations

are expected. QSL Bureau Manager extraordinaire Dick Maylott W4LMJ is coordinating the planning efforts.

Come on out to the final club meeting for this fiscal year on June 19, and help put the final touches on plans for Field Day, AND exercise your vote for the new officers for 1995-96!



The Middle Atlantic FM and Repeater Council, Inc.

Meetings: Coordinating Committee (CC) normally meets the last Monday of each month at 1930 hours in the OEP conference room of the Prince George's County Emergency Operations Center off Central Avenue. Talk-in on 146.76 or 147.54 simplex.

Address: P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

I just returned from the Dayton Hamvention where I had a great time, so this column will be short. By the way, I recommend every Ham go to the Ham's "Mecca" at least once in your lifetime - it's a great experience!

We have received correspondence from the coordinators for western Pa. (WPRC), eastern Pa. (T-PARC) and SERA regarding proposed new repeaters in their respective areas. These repeaters all appear to be fully compatible with operations in our area. A proposed new 449.375 repeater was coordinated to the NVCC in northern Virginia.

Back to our discussion of frequency coordination - this month's question is "how does frequency coordination work?"

In order to make a recommendation, the coordinator needs some data about the proposed new repeater, such as its location, antenna height, and transmit power. These items all affect, to one degree or another, the repeater's area of coverage.

The coordinator will review the data on the new repeater, then in conjunction with the data in his database he will try to find a suitable frequency pair. Most coordinators will consult with the sponsors of nearby cochannels (same frequency) and adjacent-channel repeaters, and if appropriate with their adjacent-area counterparts, to make sure there are not any valid objections to the new repeater. This way, sponsors of existing repeaters are given the opportunity to look out for their own interests.

Once a new coordination is issued, there is usually a limited construction time limit (typically six months) to get the new machine on the air. If it's not on after this deadline, or close to it, the coordi-

nation is subject to cancellation. This keeps the coordinators' database from filling up with "paper" repeaters.

The ARRL will be sponsoring a national conference of Amateur Frequency Coordinators which is designed to address some of the common problems that most coordinators face, with the goal of trying to find solutions that are universally acceptable. This conference will be held in mid-June in St. Louis. T-MARC intends to be represented at this meeting. We'll keep you posted on its outcome.

73, Gary, W3DTN, T-MARC PIO

Elmer's Corner, from page 17

so slow and adjacent light beams have less interference between them than flowing electron currents.

The projection is that with this technology, gigahertz rates are entirely feasible in future computing and communication systems. It won't be long before you'll be telling your grandchildren about the hot lamps that used to be under the lampshade. Pretty much like I've told mine about the kerosene lamps at my grandmas when I was a kid. Their response: "that's cool granddaddy." No, that was hot, but it's going to get cooler, thanks to LEDs.

Public Information Coordinator, from page 15

the results were not worth the time and efforts I had expended. This is not to say that the PIC position is not desired or required. I believe it is. To be effective, all of the clubs need to participate. By the same token, the position of PIO is also desirable and should be fully utilized by all of the clubs to enlighten the public on your activities and involvement, whatever it may be, even if it is nothing more than you are holding a meeting.

My thanks to our Section Manager, Bill Howard WB3V, for supporting my efforts and also to Auto-Call for providing space for this column.

73 de Mel/N3EKZ

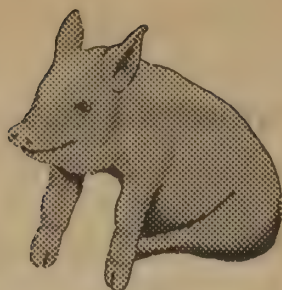


DC ARES on the World Wide Web

District of Columbia Amateur Radio Emergency Service is now maintaining a HomePage on the World Wide Web. Check it out for updates on ARES activities in the District of Columbia as well as in the Washington area. Browse through it and look at pictures on DC ARES, connect to the ARRL, FEMA, Red Cross and other interesting HomePages. The HomePage is at the following URL (<http://www.seas.gwu.edu/student/hanir/dcares.html>). For questions and comments, contact Hani / AA3EI at (202)223-3925.

Piglets Corner

By Stephen Habbert
No Call, No Way



Hello. The fact that you have never seen my name, or that you were clever enough to notice that I didn't have a call sign next to my name, would point out that I'm not a member of any ham radio club. Well very good, you guessed it. In fact I'm not even an amateur radio operator. I am the son of a amateur radio operator. As a matter of fact, the son of two amateur radio operators who shall remain nameless (Katherine N3PXG and John KAØSEY) And as it comes to pass, the only non-ham in the house.

So I have written this article for all those sons, daughters, wives, husbands, parents, etc. who are also frustrated with the fact that every time your favorite TV show, music video, song etc. comes on, an amateur radio operator comes to life.

Such convenient timing it isn't. For those of you who have the same problems, I feel your pain. And just when you thought it was safe to ride in the car, Boom, they start up there. They start talking just as the DJ was about to announce the artist who sang that song you liked so much.

Now for you Hammers, don't get me wrong. I think what you do is a great way to get to know people and also a very good hobby. [*Hammers - not be confused with a striking device, Ed.*] I just thought that it was good to speak in a lighthearted way for the little people in the house who miss out on what was so funny on Seinfeld last night because it was to annoying to watch through all that interference.

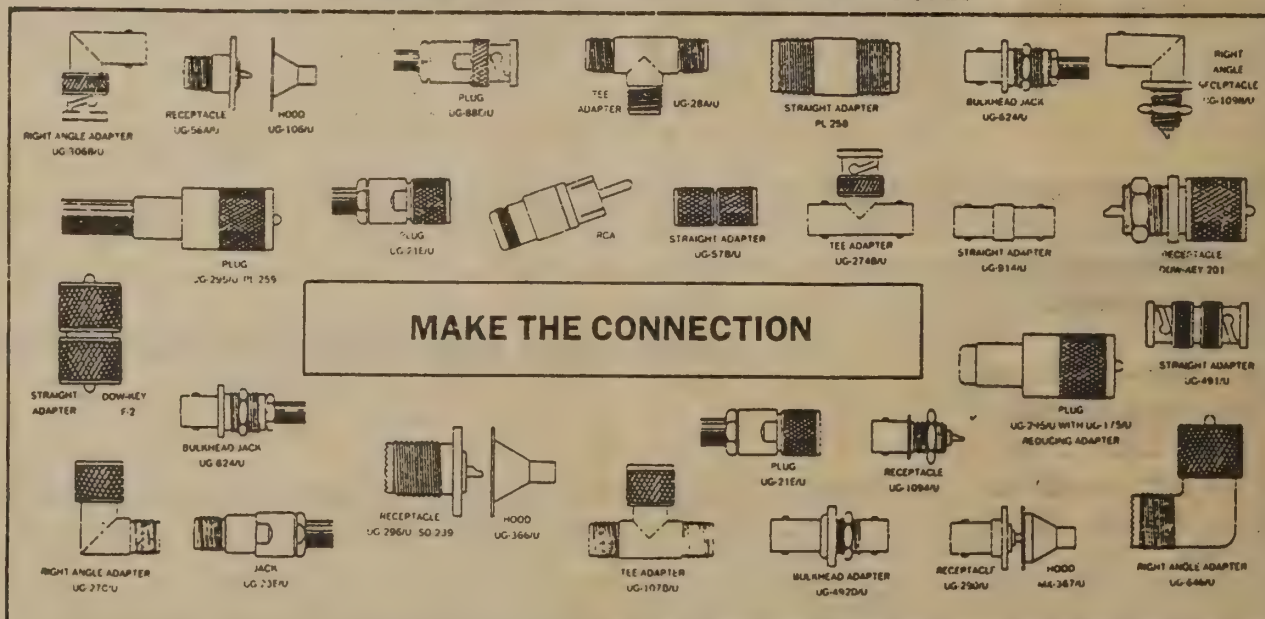
It would be cool to relate to your hamming relatives, room mates etc. without having to talk to them in morse code. That's it for now, until next time, happy hamming, or non-hamming as the case may be.

Steve

(call withheld by request, since I got none)

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THE RULES

1. Non-MDC Stations must work only MDC stations. MDC stations may work anyone.
2. Portables and mobiles that change counties during the test count as a separate station in each new county of operation. Sorry, no packet or repeater QSOs allowed. QSO's part of a regularly scheduled net are not allowed.
3. EXCHANGE: QTH and MAJOR CATEGORY of entry. QTH is County for Maryland Stations, US State, Canadian Province or Country as appropriate for Non-MDC stations. MAJOR Categories are CLUB, QRP, MOBILE, Novice/Tech, and STANDARD. Stations should send the major category that reflects their highest point value.
4. SUGGESTED FREQUENCIES: SSB 3.92 7.23 14.26 21.37 28.38 50.15 146.55 MHZ
CW 3.643 3.701 7.035 7.126 14.04 21.115 28.04 28.115
MHZ CW is suggested on the odd half hours.
Examples 1730 1930 2130 2330 0130 0330 z
5. SCORING: FOR NON-MDC STATIONS - Each MD County + Baltimore City + DC are multipliers (25 possible) FOR MDC STATIONS - The basic 25 as above + each of the other 49 states + Canadian Provinces + 1 for other DX. Multipliers may be claimed once only, they do not repeat on the other bands.
6. QSO POINTS: 10 points for CLUB STATION QSOS (Clubs anywhere for MDC stations). 5 points for Mobile QSOS (Mobiles anywhere for MDC stations). 4 points for QRP or NOVICE/TECH QSOS regardless of mode. 3 points for CW or RTTY QSOS with Standard stations (RTTY & CW count as same mode for scoring purposes). 1 point for any other valid contact (Standard SSB and FM). Highest single point value applies example - contact with a mobile club station is a 10 point QSO.
7. FINALSORE: Add up the QSO POINTS and MULTIPLY by the SUM OF THE MULTIPLIERS.
8. Send logs with S.A.S.E. by September 10th, 1995 to the ANTIETAM RADIO ASSOCIATION P.O.Box 52 Hagerstown, MD 21741-0052

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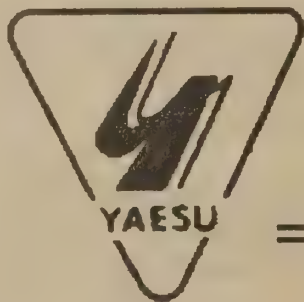
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Non-commercial advertising of Amateur associated equipment is available to subscribers of *Auto-Call* at the rate of 3 cents per word with a \$1.00 minimum. Commercial vendors and non-subscriber rate is 17 cents per word with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Estate sales for Survivor's Assistance handled by a FAR club will be published without cost.

Your full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be prepaid. Ads that will be running for longer than 1 month must be accompanied by a letter stating the length that the ad is to be ran. Since no effort is made to investigate advertisers, no warranty can be implied. Send all commercial and non-commercial advertising and Shack Sales to:

John Queen, Auto-Call Editor
755 Woodland Way, Owings, MD 20736
(301) 855-0198

Copy MUST be received by the 1st day of the month prior to the month of publication.

WANTED: HF Multi-band Beam or Vertical antenna. Will remove from your tower for the antenna. Also looking for Yaesu FT-767GX 6-meter and 440 modules. Call John/N5SJZ (301) 805-5761. [7/95]

WANTED for museum: Apple-1 and other pre-1980 microcomputers, also early microcomputer journals, newsletters and advertising literature. (703) 231-6478 or (703) 763-2321. [11/95]

FOR SALE: Mosley CL-33 Tri-Bander antenna with 10 foot round pole, Cornell Dubilier CD 45 Antenna rotor, one Rohn 25G tower section, one Rohn 25 AG top section, base plate and building mount, disassembled - \$200.00. Joe Carretta, K4GIM, Springfield, VA (703) 451-2521 [6/95]

FOR SALE: R1051B receiver, with matching MT-3114 shock mount. Works well, excellent condition. Pickup only, \$325/best offer. Hammarlund SP-600JX, \$65, pickup only. HRO-60 A, B, C and D coils, \$30 each including shipping. Dennis Gibbs, 13002 Piney Glade Road, Herndon, VA 22071 (703) 742-9843. [6/95]

WANTED: Johnson Ranger snap-on crystal cover. Ceramic chimney for 4CX250B. Original instruction manual for TMC GPT-10K. AM transmitter parts. 810 tube. Modulation transformer. Chuck, P.O. Box 934, Dahlgren, VA 22448. [6/95]

WANTED: MFJ-812B (VHF SWR/Wattmeter) or equivalent. Phone (703) 370-1880; (703) 370-9049 FAX (Alexandria). [7/95]

WORK WANTED: Native Ukrainian wants to be your Tech Rep in Ukraine or Eastern Europe. Fluent in four languages, BSE degree, highly skilled in IBM/DOS hardware, software, networking, LF to UHF communications, antenna and transceiver design. Training or temporary work in USA to learn your products ok. KC1VF/US5WE (703) 231-6478, P.O. Box 2490, Christiansburg, VA 24068 [6/95]

FOR SALE: Hustler 4-BTV four band trap vertical antenna for 10, 15, 20 and 40 meter operations. Includes resonator and spider assembly for 75 and 80 meter operation. \$25. Call Ron, KA3CXI, (301) 942-9245 day and night. [6/95]

FOR SALE: Swan 500C XCVR CW/SSB/AM with Swan 117XC PS. 500 W PEP, SSB, original cartons, manual. Bought new in 1969, excellent appearance, good working condition. \$275.00. Buddy Smith, W4YE (703) 830-3195. [6/95]

FOR SALE: Advanced Electronics Applications, Inc. AT-300 Antenna Tuner. Autek Research QF-1A SSB/CW/AM Audio Filter. Super Scaf Audio Filter High Pass-Low Pass. Datong Multi-mode Audio Filter Model FL-2. Contact Raymonnd Zettler (202) 882-4079. [6/95]

FOR SALE: Cushcraft R5 5-band halfwave vertical antenna (no ground radials required) w/ manual. A great performer for \$135. MFJ-951 Artificial RF Ground (can tune out reactance in long ground runs or tune a counterpoise) w/manual for \$40. Ernie Farkas, K3CBW, Catonsville, MD (410) 747-1377. [6/95]

FOR SALE as a lot: Over 2000 radio and T.V. tubes. Subminatures, miniature, octal, loctal, novar & compacton. Others - antique and oddballs. All are boxed & tested except a few of the odd-balls (in boxes, but not tested). Price negotiable. WA3NGF, 301-864-3892, Riverdale, MD. [6/95]

WANTED dead or alive: Six meter transceivers, transmitters and receivers, desk mic by Heathkit for the HW-101. Call Jim, N3OHS (703) 243-5460. [8/95]

FOR SALE: Quality previously-owned (used) Hamgear for sale with warranty. Yaesu FT-11R 2M H/T, complete almost new, \$275.00. Icom T21 2M H/T, never used (was doorprize) \$335.00. Astron RS-35A, used, \$135.00. Astron RS-10A, used, \$60.00. Plus others. Call: EEB/Electronic Equipment Bank. (703) 938-3350 Voice, or (703) 938-3781 BBS/24 hours. 323 Mill St., N.E. Vienna, VA 22180. [6/95]

WANTED: Manual for Regency HR6 FM 6 meter rig. Will pay for manual or copying and mail cost as required. Also want to contact other 6 meter FM'ers. Jim Park N1JKV, (609) 660-1909. E-Mail ADME61A PRODIGY.COM. [6/95]

The **AMATEUR RADIO NEWS SERVICE** is an organization of publishers and editors of Amateur Radio newsletters and members engaged in public relations. Its purpose is to assist editors in any way possible. For information, write to Lee Knirko, W9MOL, Amateur Radio News Service, 833 Park Plaine, Parke Ridge, IL 60067.

[SWP]

Mid-Atlantic Radio Club. Become a part of one of the country's fastest growing vintage radio clubs. The Mid-Atlantic Antique Radio Club is an active group of radio collectors, restorers and historians. For a sample newsletter, write to Joe Koester at 249 Spring Gap South, Laurel, MD 20707. Phone (301) 725-4229.

[SWP]

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REMINDER !!

All Shack Sales ads must be received no later than the 1st day of the month prior to the month of publication.

All ads must be paid in advance.

No Shack Sales Ads will be accepted over the telephone.

SHACK SALES & COMMERCIAL ADVERTISING

Deadline for copy is the 1st of the month preceding the publication date. Shack sales will NOT be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the full name of the advertiser. Each word, abbreviation, model number or group of letter/numbers is counted as one word. The entire telephone number - including city, state and zip code is counted as only one word. Remittance for all Shack Sales must accompany each ad.

Noncommercial Shack Sale advertising of amateur associated equipment is available to subscribers of Auto Call at 3¢ per word - with a \$1.00 Minimum. Commercial Vendors and nonsubscribers rate is 17¢ per word with a \$5.50 minimum.

Special Headings or special spacing may be used (e.g., one item per line) but such ads are charged at a column inch rate - \$1.00 per inch for noncommercial ads, \$5.50 per inch for commercial vendors and nonsubscribers.

Commercial vendors should include the ad size and length of run (e.g. 1 year, 6 times, etc.) on company letterhead

and it must be signed by the person authorizing payment for the ad. Full name and address must be provided with each ad but need not be published. Payment should be included when the ad is submitted for publication. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

DISPLAY ADS are "Boxed" and may contain artwork or photographs. Requests for specific placement in the magazine will be honored if practical but cannot be guaranteed. Display ads are charged according to size as shown below, based on camera ready copy. All advertising must be prepaid for at least the current month.

Rates Per Issue

Ad Size	1 Year	6 Times	3 Times	1 Time
Full	\$75.00	\$90.00	\$100.00	\$105.00
1/2	55.00	65.00	71.00	75.00
1/3	40.00	46.00	51.00	54.00
1/4	33.00	38.00	41.00	43.00
1/6	22.00	26.00	28.00	30.00
1/8	17.00	20.00	22.00	23.00

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Auto Call Production Policy



Deadline: The deadline for ALL submissions to *Auto Call* is the 1st day of the month prior to the month of publication. When submitting via regular mail, time your mailing to ensure delivery by the 1st of the month.

Submitting Material to *Auto Call*

Submissions for *Auto Call* will be accepted in the following formats:



Electronically: Submissions are accepted in any of three ways: Via the BWIBBS (WB3V) at (410) 312-2219, E-mail message or upload file to KAØSEY. Via American On Line, E-mail message to screen name JohnQueen. Via Internet, E-mail message to JohnQueen@AOL.COM. Please note: the MRC BBS system is longer available.



Computer Disk: Submissions are accepted on 3.5" or 5.25" computer disk, in either Macintosh or MS-DOS format, using Word, WordPerfect, or standard ASCII text files. Write your name, telephone number, and club name on the disk. Submit graphic files (club logos, etc) in an EPS or TIFF format. Please verify the readability of your computer files before sending. If you want your computer disk returned immediately, include a SASE envelope with .32 postage. Otherwise, disks will be returned only in person at FAR meetings.



Regular Mail: Mail typewritten or computer generated hard copy to: John Queen, Editor, *Auto Call* Magazine, 755 Woodland Way, Owings, MD 20736. Hard copy will be scanned and reformatted to preserve uniformity of style in the magazine. Ensure that your printed material is dark enough for scanning.

Preparing Material for Submission

Club Columns: Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page (50 lines at 12 words per line) not including the space taken up by headings, photos, etc. Type all headers, byline and body text flush left with no margins. Single space after periods, indent paragraphs .25" and double space to begin a new paragraph. Fonts are not a consideration, but please prepare all copy in 12 point type.

Hamfests/Events: Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions will only be accepted in a PageMaker format for Macintosh, and only when all fonts used in the preparation of the file are also submitted.

Photographs: The editor will select the best photograph submitted for the cover each month. Photographs should depict club members, club stations, or amateur radio related events that are current and noteworthy. Clubs may also submit photographs for inclusion with their club column. Photographs will be used when space permits. Either black and white or color photos can be used as long as the contrast is good. For each photograph submitted, write your name, telephone number, and club name, along with a description of the photograph on a small piece of paper. Carefully tape this paper on the back of the photograph. Do not write on the back of your photo as writing tends to blend through when scanned. If you want your photos returned immediately, include a SASE envelope with sufficient postage. Otherwise, photos will be returned only in person at FAR meetings.



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Atlantic Division Director
Hugh Turnbull, W3ABC
6903 Rhode Island Avenue
College Park, MD 20740
Phone: (301) 927-1797

The American Radio Relay League
225 Main St.
Newington, CT. 06111 USA

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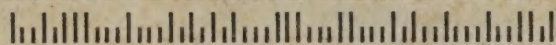
Area Club Meetings - June 1995

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
 <p>Don't forget Father's Day on June 18!</p>				1 Anne Arundel VOA	2	3 Green Mtn.
4 Manassas Hamfest	5 DOSARC	6 Antietam Arlington PG Wireless	7 BARC	8 MADRAS Mt. Vernon Mid-Atlantic	9 Southern MD	10 North Point
11 Metro Comm.	12	13 Fauquier Woodbridge	14 FAR (VA) So. Patuxent	15 Anne Arundel	16	17
18 Frederick Hamfest	19 OVHA Sterling Carroll Co.	20 Antietam	21 BARC Goddard	22 MADRAS Mt. Vernon	23 Central MD Southern MD	24 FIELD DAY
25 FIELD DAY	26 T-MARC Green Mtn.	27 Columbia	28 Laurel	29	30	



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